# Oil, Paint and Drug Reporter

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Volume 131 JUNE 14, 1937 Number 24



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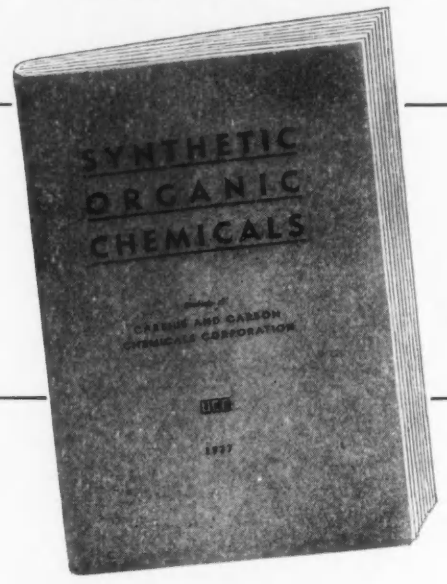


SPECIFICATIONS, properties and uses of over eighty organic chemicals are included in this 1937 Edition of "Synthetic Organic Chemicals". This booklet has become, through its eight editions, an interesting and useful industrial reference manual on aliphatic alcohols, amines, aldehydes, esters, chlorhydrocarbons, glycols, ketones and other chemical families.

The revised, 1937 Edition contains, in addition to a product index, a new application index to facilitate the finding of references to uses of chemicals in particular industries. A completely new chapter on "Vinylite"* resins describes the recent advances in these plastics. Among other valuable data added is a list of properties of nine new amines that have recently become available.

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# Oil, Paint and Drug Reporter

*Founded 1871 by William O. Allison*

Volume 131 JUNE 14, 1937 Number 24


RECEIVED JUN 14 1937 LIBRARY THE CHEMISTS' CLUB

## Insecticide Makers Adopt Specifications and Standards

### Fellowship Is Established at Ohio State University to Develop Methods of Evaluating Various Products of Industry

CHICAGO, June 9, 1937.

The National Association of Insecticide and Disinfectant Manufacturers is steadily broadening its field of service to the industry and the public, and its semi-annual meeting at the Edgewater Hotel here, June 7 and 8, witnessed several specific instances of the trend.

Adoption of standard specifications for disinfectants was one of the most important actions taken at the meeting.

Outstanding in developments was the announcement of the establishment of a fellowship under F. L. Campbell, assistant professor of entomology at Ohio State University, to study and develop methods for evaluation of insecticides for use against crawling insects, especially roaches and bedbugs. This fellowship will extend for one year, and probably longer. It is said to be the first time anything of this nature has been attempted.

The convention was characterized by a record attendance, and by interesting papers and animated floor discussions. Even though recognizing a considerable feeling of uncertainty over the outlook for general business, and for this industry in particular, sentiment of a large number of those in attendance over the outlook for the future seemed optimistic.

The association is still engaged in exploring the possibilities of disseminating the story of the industry to the public and also general education on related subjects.

Along this line, H. A. Thomas of the Shell Petroleum Corporation, St. Louis, Mo., chairman of the insecticide general committee, recommended in a paper national association bulletins for telling the public the story of the functional differences between various types of sprays. He suggested a nominal purchasing arrangement for these bulletins. This, he thought, would encourage the buying public to accept only those products coinciding with the specifications set by the association.

**William B. Eddy**
**President of the N.A.I.D.M.**

Over-selling of the products in the insecticide field should be abolished, he said. When this is done as an industry, the buying public will register its approval of the action through increased purchases.

#### Fly Mortality Data

One of the most interesting papers to many attending was that of Christopher A. Murray of the Baldwin Laboratories, Inc., of Saegerstown, Pa., on "An Analysis of Fly Mortality Data." The paper went exhaustively into the subject. The work from which the paper resulted was a series of tests from the original Peet-Grady method, with analysis from it.

(Continued on page 35)

## 'Hot Oil' Bill Extension For 2 Years Approved

WASHINGTON, June 10, 1937.

The senate today approved a conference report on the Connally "hot oil" bill extending the operation of the Connally act for two years. The senate had earlier passed the bill to make the law permanent but the house insisted on an extension for two years only. The Connally law, which would expire June 16, prohibits interstate shipment of petroleum produced in violation of state proration laws.

## F.T.C. Broader Power Proposed by Brookings

WASHINGTON, June 9, 1937.

A proposal that the Federal Trade Commission's scope be greatly enlarged by the transfer to it of functions now performed by various other agencies including the competitive aspects of the food and drug act has been made by the Brookings Institute in a report to the Byrd committee of the senate which is studying the reorganization of government departments.

(Continued on page 49)

## N.A.M. Urges Checks on Labor In Wage and Hours Legislation

WASHINGTON, June 10, 1937.

Appearing before the joint congressional committee at the hearing on the Black-Connery labor standards bill, today, representatives of the National Association of Manufacturers opposed the measure as unconstitutional, as an unwarranted strait-jacketing of industry, and as impossible of administration that would not do more harm than good to the purpose to which it is directed. The manufacturers' representatives urged vigorously that, if further control of business is to be established by Congress, employees, as well as employers, be required so to regulate their activities and practices that they also would be prevented from interrupting or disrupting commerce without just cause.

Members of the committee made it plain that it was the intention of Congress to endeavor to establish by legislation fair standards of labor. They suggested that employers, instead of continuing to oppose such legislative efforts, devote their energies to the construction of a practical and efficacious statutory means of reaching the labor and social objectives, support of which was expressed by the spokesmen.

#### Argument by Emery

The major presentation of the arguments for the National Association of Manufacturers was made by its counsel, James A. Emery. Declaring that, impelled by self-interest, manufacturers were "as anxious as this committee to expand facilities, enlarge employment, and increase purchasing power," Mr. Emery argued that the proposed legislation would do none of these things. He deplored the perpetuation of uncertainty and called for clear definitions in any labor standards law.

Stressing the necessity of making labor responsible in keeping with the privileges conferred upon it, Mr. Emery said:—

If the Congress is determined to enlarge the field of what has been described as "unfair labor practices" and in effect to supplement the national labor relations act, we submit that the protection of the public to prevent the arbitrary interruption of production and service now makes it vitally necessary that Congress should consider the establishment of reasonable social standards and controls of labor combinations in the field of commerce.

We are confronted at present with unjustifiably interrupted production where collective agreements have been made: local disorder is spreading and costly strife will reflect itself in commodity prices. We cannot believe that the labor organizations of the United States are unwilling to accept the same responsibility to the public within the field of commerce that is properly imposed upon business organizations.

We therefore urge that Congress consider, if further controls are to be established in industry, the necessity of adequately providing public protection against the constant interruption of commerce without just cause.

#### Others Heard

Other representatives of the manufacturers' organization were Robert B. Dresser, chairman of its committee on governmental relations with business; Noel Sargent, secretary and economist, and L. N. Bent, chairman of its committee on employment relations. The congressional committee elicited admissions that the association had continuously opposed State minimum wage

(Continued on page 52)

## Fertilizer Association Seeks To Extend Educational Work

### Gets Information in Convention on Plantfood Needs With View of Directing Efforts—Wright Is Elected New President

WHITE SULPHUR SPRINGS, W. Va., June 9, 1937.

Better understandng of the plantfood needs of the country was sought by the National Fertilizer Association in its thirteenth annual convention, which closed here today. This understanding, desired with a view of improving the services of the fertilizer industry to agriculture, was developed in a number of addresses by outstanding agronomists and leaders in soil-conservation work.

The association also got information and advice with respect to trends and implications of economic legislation and the desirability of self-improvement in respect of trade practices. The technical side of the industry was not neglected, and an informative presentation of the progress and results of research in the fertilizer field was one of the outstanding features of the meeting.

There was a manifest desire on the part of the manufacturers represented in the meeting that the educational work of the association with reference to the selection and application of fertilizers be continued. Data presented in various connections indicated that this work had redounded to the profit of the industry during the past year.

In attendance and interest the Convention was gratifying to the leaders of the industry in their interest in its continued progress.

#### Officers and Directors

The board of directors, meeting after the close of the convention, elected the following as officers of the association:—

President, W. T. Wright, of the F. S. Royster Guano Company, Norfolk, Va.

Vice-president, Henry S. Parsons, of the Nitrate Agencies Company, New York.

Executive secretary and treasurer, Charles J. Brand, 616 Investment building, Washington.

**W. T. Wright**
**New N.F.A. President**

Following the election in the Convention for members of the board of directors for the ensuing three-year term the membership of the board is as follows:—

1938—L. H. Carter, American Agricultural Chemical Company, New York; S. F. Elwood, Farmers Fertilizer Company, Columbus, Ohio; M. R. Hallman, Southern Cotton Oil Co., Columbus, Ohio; C. D. Shallenberger, Shreveport Fertilizer Works, Shreveport, La.; A. D. Strobhar, Southern Fertilizer & Chemical Company, Savannah; M. C. Taylor, Magnolia Fertilizer Company, Seattle, Wash.; Ray B. Trueman, Trueman Fertilizer Company, Jacksonville, Fla.; B. H. Brewster, jr., Baugh & Sons Company, Baltimore; C. F. Burroughs, F. S. Royster Guano Company, Norfolk; Chester F. Hockley, Davison Chemical Corporation, Baltimore; J. E. Sanford, Armour Fertilizer Works, Atlanta; E. H. Westlake, Tennessee Corporation, New York.

1939—R. C. Adams, Robeson Manufacturing Company, Lumberton, N. C.; James

(Continued on page 58)

# Closing Market Developments

### London Closing Cable

LONDON, June 11, 1937.

Quicksilver strengthened and was quoted at £15 5s. per pound, ex warehouse, and £14 15s. in secondhands. Stocks of shellac totaled 142,498 packages, of which 139,789 packages were orange shellac. Carnauba wax stood at 172s. 6d. per hundredweight.

### Tin Salts Quiet

The market for tin salts was quiet at the close of the week. Straits tin was 55⅞c. per pound. Central News Amsterdam cable stated the International Tin Committee had decided to maintain the quota for members in the third quarter at 110 percent of standard tonnages.

### April Oil Stocks Increased

Stocks of crude and refined oil on April 30 totaled 540,208,000 barrels, compared with 534,142,000 barrels in March and 551,119,000 barrels in April, 1936, according to the Bureau of Mines.

### Tallow Quiet

Tallow was quiet late in the week, the advance early in the period making buyers inclined to hold off. Quotations were unchanged, but the tone of the market was regarded by some as easier.

### Lemon Oil Higher

Prices on Italian lemon oil were higher late last week, quotations being $3.40 to $3.75 per pound according to brand, seller, and quality. Domestic oil lacked quotable change at $2.60. Replacement costs were firmer abroad.

### Zinc Oxide and Lithopone Up

Effective tomorrow, June 15, zinc oxide and lithopone prices will advance. New prices on American process oxides in carlots, packed in bags, basis delivered except at Pacific Coast points will be as follows:—Lead-free, 6¼c. per pound; 5 percent leaded 6⅛c. per pound; 35 percent leaded, 6¼c. per pound; and 50 percent leaded, 6⅜c. per pound. French process oxides in similar quantity and packing will be as follows:—white seal, 8½c. per pound; green seal, 8c. per pound; and red seal, 7½c. per pound. The U.S.P. grade will be 9½c. per pound. Less than car lot quantities of all oxides are ¼c. per pound additional and barrel packing is also charged at ¼c. per pound extra. Pacific Coast prices are ex warehouse.

Ordinary grade lithopone will advance ⅛c. per pound to 4⅜c. per pound in 20 ton lots, in bags, delivered East or ex warehouse Pacific Coast, and, less than 20 ton lots will be priced at 4⅝c. per pound. High-strength and titanated lithopones will also advance ⅛c. per pound to 5⅞c. per pound for 20 ton lots and 6⅛c. per pound for smaller lots. Lithopone in barrel packing will be charged ¼c. per pound additional. The new lithopone schedule differs from the present one also in the feature that bulk prices apply on orders for quantities of 20 tons or more instead of orders for 1,000 pounds as has been the case for some time.

The basic price for zinc sulphide will continue unchanged at 9c. per pound.

# Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

**Alcohol:**—Morocco, French Zone, has increased the consumption taxes on imports of alcohol.

**Alcohol and Gasoline:**—Reunion now requires importers of gasoline, benzine, and the like, to purchase certain quantities of domestic alcohol to mix with the imports under certain conditions.

**Arsenious Acid:**—Tunisia has added arsenious acid, formerly exempt from import duty, to the list of products dutiable under the French import tariff when imported from countries other than France and Algeria.

**Calcium Carbide:**—Morocco, French Zone, has established consumption taxes on imports of calcium carbide.

**Candles:**—Morocco, French Zone, has increased consumption taxes on imports of candles.

**Celluloid:**—United Kingdom import advisory committee reports that the application for an increase of import duty on celluloid in sheets has been withdrawn.

**Gasoline:**—Morocco, French Zone, has increased the consumption taxes on imports of matches.

**Gelatin:**—Uruguay has reduced the import duty on gelatin from 48 percent plus a surtax of 22½ percent of the official customs valuation of 0.85 peso per kilo, to 5 percent plus a surtax of 4 percent of the official customs valuation.

**Sodium Chlorate:**—United Kingdom import advisory committee reports that the application for increase of import duty on sodium chlorate has been withdrawn.

# *Chemical Price Changes Few*

Few price changes were made last week in the markets for heavy and fine chemicals, and these did not indicate any definite trend. Uncertainty in general industrial circles, plus the labor disturbances in the steel industry, added to the slowing-up influence of the season and of the waiting for next-quarter prices. There were spots of greater activity, particularly in the coaltar chemicals and paint materials sections.

Advances in current prices affected epsom salt, domestic china clay, butyl stearate, diamyl phthalate, dibutyl phthalate, diethyl phthalate, and Batu copal. Higher contract prices were named for borax in the second half of the year. Current reduction applied to mandelic acid, Japanese sardine scrap, and domestic tankage. Lower prices effective July 1 were quoted on methyl chloride and refrigeration sulphur dioxide in cylinders. Alkali prices were extended for the third quarter. Sulphuric acid prices were strong. More firmness appeared in prices on coaltar chemicals.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 126.5 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.6, against 88.1 at this time last year.

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## Ernest Kilcup Receives Honorary D. S. Degree

Ernest I. Kilcup, managing executive of the Davol Rubber Company, Providence, R. I., received the honorary degree of Doctor of Science from the Rhode Island College of Pharmacy June 9.

Ernest I. Kilcup

The award was made in recognition of Mr. Kilcup's services as an executive and honorary officer of the National Association of Credit Men as well as his services in the pharmaceutical field. The exact wording includes the sentence "For distinguished service to the community and for his contribution to the welfare of the pharmaceutical trade."

## H.A. Clark Elected Head Of Export Managers Club

Harry A. Clark, of E. I. du Pont de Nemours & Co., was elected president of the Export Managers Club of New York, at the annual meeting of the organization in the Hotel Pennsylvania June 8. He succeeds Walter L. Bomer, of the Bristol-Myers Company, who completed his second term as president.

Other officers elected were:—First vice-president, H. L. Gemberling, general manager of the Sherwin-Williams Company; second vice-president, J. T. Wilson, export manager for the International Business Machines Corporation; secretary, Oren O. Gallup, foreign sales manager for the Faultless Caster Corporation (re-elected); treasurer, M. C. Reichert, export manager for the Howe Scales Company (re-elected). H. P. Martin, export manager for the Atcheson Graphite Company, and E. W Watts, president of the United States Machinery Corporation, were elected to the board of directors to serve three years.

Following the business meeting, E. H. Himrod, of the du Pont company, described the extensive agricultural and resettlement program being carried on by the government of Venezuela, which is in the market for all types of construction and farming equipment.

## Petroleum Import Tax Exemption Is Proposed

WASHINGTON, June 7, 1937.

Crude petroleum for use in asphalt or road oils would be permitted to enter the country without the payment of the exise tax collected on crude petroleum imported for other uses, under the terms of a bill (H.R. 7375) introduced in the house by Representative Millard F. Caldwell of Florida.

The proposed regulation would operate through providing that a refund might be allowed the importer of so much of the tax paid as would be attributable to that part of an importation used for road construction, the importer to repay the amount refunded to the States or political subdivisions which were using the oil for road-building materials.

**American Cyanamid Company,** $200; Davison Chemical Corporation, $300, and Kentucky By-Products Company, $250, were among the gifts to the University of Maryland reported at the 1937 commencement exercises of the college by H. C. Byrd, president.

### *Drug Ad Control Is Still Unsettled*

WASHINGTON, June 11.

The house committee on interstate commerce today discussed the Lea bill having to do with the Federal Trade Commission, but postponed action until next week.

It is understood that there is disagreement over penalties for false advertising of foods, drugs, and cosmetics, and whether the Federal Trade Commission or the Department of Justice should prosecute offenses involving penalties.

## N.P.V.L.A. to Set Up Paint Style Committee

Paint manufacturers from all sections of the country gathered here today for an important meeting of the National Trade Sales Committee of the National Paint, Varnish and Lacquer Association. In addition to Charles W. Eastwood, of the U.S. Gutta Percha Paint Company, chairman of the committee, and Ernest T. Trigg, president of the association, forty-one members were in attendance.

Outstanding among the subjects taken up was "Styling with Paint," and the discussion was led by M. Rea Paul, who at the request of Mr. Trigg presented a group of excellent exhibits to illustrate the possibilities of a definite program. Styling with paint, it was emphasized, will provide an excellent means to capture the attention of the public and is a very effective medium for increasing paint sales. A committee working through the association, it was pointed out, could forecast with a very fair degree of accuracy trends in exterior and interior painting with respect to color that can be recommended and encouraged during the year.

It was explained that the object of the styling committee would not be to introduce to the public new colors. The committee would only establish trends and through individual advertising and through association publicity channels bring these trends to the attention of the public. The formation of such a committee was unanimously approved.

A discussion of the Robinson-Patman law was one of the highlights of the meeting and A. W. DeBirny, attorney of the Federal Trade Commission, spoke briefly regarding the law and the Federal Trade Commission's part in its enforcement. Mr. DeBirny's talk was followed by questions from the floor and an informal but lively discussion in which nearly every one participated.

## S.O.M.A. Golf Trophy Won by Arthur Jones

The Spring outing of the Sulphonated Oil Manufacturers Association, held at the Buckwood Inn, Shawneeon-Delaware, June 2 and 3, was attended by more than forty members of the organization and their friends. A preliminary round of golf was played the first day followed by dinner and a well-rounded program of vocal and instrumental entertainment.

The golf championship was played the next morning and the prizes awarded at a luncheon. Winners were:—

Members, low net, carrying with it the S. O. M. A. silver cup, Arthur E. Jones, jr.; second, L. L. Grombacher; third, Harold Dohner; fourth, E. S. Atkinson; fifth, R. S. Dane; sixth, J. C. Cadmus and John Noble, tied. Guests, low net, Arthur E. Shaw; second, George L. Olsen and Roland McDonald, tied; third, I. M. Colbeth and Dan Healy, tied.

Members low gross, Robert Brewer, a former cup winner:—Guests, low gross, L. D. Davis.

Other prizes were awarded to A. B. McCarthy, T. J. Oertel, Fred L. Babcok, Tony McNichol, L. E. Schroeder, K. M. Dillabaugh, S. G. Slavin, B. A. Schiller, Fred Scholler, A. J. Royce, H. B. Sweatt, John McChesney, George Herold, A. A. Underwood, William Barshaw, and C. V. Davis.

The outing committee was Fred C. Scholler and Elmer E. Yake.

# Chemical Exports, Imports at Peak

### April Shipments Abroad 22 Percent Above Record of Year Ago—Receipts Up 50 Percent

Exports of chemicals and related products by the United States in April continued at the six-year peak established during the preceding month and were 22 percent above the record for April, 1936; imports of chemicals, industrial oils, industrial oil seeds, and related products continued at record levels in April, but were valued at slightly less than imports in the preceding month during which period a six-year record was established, according to C. C. Concannon, chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce. Exports were valued at $15,445,000—a figure almost identical with the preceding month—and compare with $12,700,000 for April, 1936; $9,903,000 for April, 1935, and $7,339,000 for April, 1933. Imports aggregated $21,346,500 in April against $23,118,400 in the preceding month, and $14,000,000 in April, 1936.

#### U. S. Chemical Exports

In the exports, heavy commodities such as rosin, phosphate rock, sulphur, and certain other heavy commodities are not following the upward trend shown by practically all other items on the list due mainly to the difficulty and high cost of obtaining shipping facilities, according to Mr. Concannon.

Exports of chemical specialties recorded a 56 percent increase in April compared with the corresponding month of last year, or from $1,593,700 to $2,515,300. In this classification export shipments of agricultural insecticides, and similar preparations increased in quantity from 2,403,500 pounds to 4,555,000 pounds; petroleum jelly from 1,623,700 pounds to 3,941,000 pounds; synthetic gums and resins from 358,000 pounds to 615,000 pounds; plastic products from 699,400 pounds to 950,000 pounds; and polishes from 628,500 pounds to 853,000 pounds, preliminary statistics show.

Foreign demand for American paint products was especially active, the declared value of such shipments reaching $2,011,300 against $1,866,300 in March and $1,457,600 in April, 1936. In this classification exports of ready mixed paints, varnishes, and lacquers increased from 340,000 gallons in April, 1936, to 497,400 gallons for the current April.

Export shipments of products classed as industrial chemicals were valued at $2,464,700 in April compared with $1,835,000 in the corresponding month of 1936. In this group exports of sodium compounds increased from 47,600,000 pounds to 62,300,000 pounds, while heating, refrigerating, and other gases declined from 7,932,000 pounds to 1,203,000 pounds.

Exports of coaltar products declined somewhat in April to the value of $1,422,500 from $1,525,200 in April, 1936, but shipments of dyes, stains, and the like, included in this group, increased from 1,613,300 pounds to 1,807,600 pounds in quantity and from $565,400 to $656,500 in value.

Other items recording increases in April compared with April last year included fertilizers, which advanced from 117,628 tons to 122,863 tons in quantity and from $1,347,000 to $1,355,700 in value; essential oils from $170,000 to $231,000; toilet preparations, from $463,000 to $554,000; soaps from $260,600 to $263,000, and printing inks, which doubled in quantity and increased in value from $68,250 to $90,650.

Naval stores exports were substantially lower in April compared with the same month of last year—rosin shipments declining from 97,774 barrels to

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# S.O.C.M.A. Mixes Chemurgic Farming and Golf at Outing

The Synthetic Organic Chemical Manufacturers Association had the "biggest-ever" turnout for its annual outing June 3 and 4 at the Seaview Golf Club, Absecon, N. J. It drew heavily from the ranks of the jointly participating Manufacturing Chemists' Association, which held its annual meeting at the same place June 3.

Various activities of the sort customarily associated with an outing preceded the officially scheduled first event—the joint dinner of S.O.C.M.A. and M.C.A. members in the evening, June 3. August Merz, S.O.C.M.A. president, presided on that occasion. After-dinner talks were made by Carl Fritsche, director of the Farm Chemurgic Council, and Walter Weisenburger, executive vice-president of the National Association of Manufacturers.

#### Farm Chemurgic Projects

Mr. Fritsche told of the work of the Farm Chemurgic Council to develop industrial utilization of agricultural products. His review covered the development of new sources of cellulose, of a domestic tung oil industry, and of utilization of the soybean; it embraced also research work in the development of cultivation and use of hemp, the production of sweet potato starch and of power alcohol from farm materials.

He submitted following statement of completed and budgeted contributions made by the Chemical Foundation for farm chemurgic projects. The figures follow:—

| | Contributions to April 30, 1937. | Budget for ensuing year. |
|---|---|---|
| Cellulose— | | |
| Savannah Pulp and Paper Laboratories | $282,016.32 | $54,000.00 |
| Boyce Thompson Institute | 51,817.82 | 36,000.00 |
| Massachusetts Institute of Technology | ..... | 20,000.00 |
| Soybean | 5,071.92 | ..... |
| Tung oil | 5,000.00 | ..... |
| Sweetpotato starch | 10,387.32 | 10,000.00 |
| Hemp | 29,500.00 | ..... |
| Power alcohol | 275,390.29 | 100,000.00 |
| New projects | ..... | 150,000.00 |
| F.C.C. administration and publications | 201,101.79 | 130,000.00 |
| Totals | $860,285.46 | $500,000.00 |

Mr. Weisenburger spoke particularly with reference to the attitude of public opinion toward industrial policies and practices, setting out some of the more influential factors in this connection. He showed a number of charts depicting the results of surveys made to ascertain public opinion on various aspects of industrial questions that are popularly discussed. These data indicated that public opinion in these matters does not follow what would be expected to be the interest of individuals and groups in industrial operations or the generally accepted attitudes of various economic groups.

This picture, Mr. Weisenburger said, indicated a need for specially directed educational campaigns designed to make known the deserts of industry. On the basis of the survey results, the National Association of Manufacturers is planning an educational program.

#### Golf Tournament

The golf tournament, starting in the forenoon, June 4, attracted a large number of players; and, in spite of a plague of flies and other insects, the scores were good and the players happy.

The major prizes were awarded on the blind bogey system. The guess-and-score ability of the more proficient in this form of play brought prizes to the following in the order given:

A. L. Van Ameringen, of Van Ameringen-Haebler, Inc.

Waldo Hovey, of the Niacet Chemical Company.

Harold L. Simons, of the Harold L. Simons Company.

W. T. Haebler, of Van Ameringen-Haebler, Inc.

Milton Kutz, of E. I. DuPont de Nemours & Co.

A. B. Nixon, of the Hercules Powder Company.

C. L. Gabriel, of the Commercial Solvents Corporation.

The winners in the special events were as follows:—

Best approach—6 feet on the seventeenth green—R. E. Wilkin, of the Hooker Electrochemical Company.

Longest drive—250 yards on the first hole—R. L. Cammann, of the Barrett Company.

Least number of putts, first, R. E. Demmon, of the Stauffer Chemical Company, twenty-six; second, W. I. Galliher, of the Columbia Alkali Corporation, twenty-seven.

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## Price-Maintenance Hit And Defended in Debate

### Hollingsworth Favors Measures And Straus Attacks Them Before Drug Group

Price-maintenance and fair trade practices were vigorously debated at a luncheon-symposium held by the Drug, Chemical and Allied Trades Section of the New York Board of Trade at the Hotel Commodore, this city, June 8. William A. Hollingsworth, president of the Retail Tobacco Dealers Association of America; Hugo Mock, counsel for the Toilet Goods Association; and Crichton Clarke, counsel for the American Booksellers Association, spoke in favor of fair trade legislation, while Ralph I. Straus, secretary of R. H. Macy & Co., attacked it. A neutral position was taken by Willard Thorp, of Dun & Bradstreet, Inc.

Mr. Straus, who was the first speaker in the symposium, stated that the fair trade laws were really price-fixing statutes. He contended that had they been labeled "price-fixing" during enactment they would never have become laws. Price-fixing, he said, was an old vice, sought by certain interests for over twenty years, but it was only during the NRA that sufficient impetus was developed to enable the passage of various state laws.

He continued his attack on price maintenance with the statement that manufacturers, wholesalers, and retailers alike were ultimately dependent upon the consumer. The American standard of living has been built on mass production, and mass production, he claimed, has developed on the sound theory of high wages, low prices, and wide distribution, and not on the economy of relatively high prices, low wages, and narrow distribution, such as is found in many European countries. It was his opinion that price-maintenance denied the retailer the right to price an article as he deemed right and fair, and that there was neither logic nor equity in fixed prices.

Discussing the question of "loss leaders," Mr. Straus said that this argument had been used as a smokescreen in the fight for fixed prices. He claimed that very little merchandise is normally sold below net purchase cost, and that there was no authentic data to show that unreasonably low prices have destroyed competition and fostered monopoly. To substantiate this he pointed out the existence of small stores next to department stores and chain units.

Mr. Straus asserted that price-maintenance inevitably meant price raising and told the gathering that up to May 22, 1937, price-maintenance contracts had been issued for 1,497 branded items sold at the Macy department store, with a result that prices on these items had increased from 8.1 to 24.4 percent above their previous prices. Of this total there were 912 cosmetic items which advanced 8.1 percent: 367 drug preparations which increased 16.6 percent: 137 varieties of wines and liquors which rose 14.6 percent in price; 37 books which became 24.4 percent more expensive; and 44 miscellaneous items which advanced 21.5 percent.

The first speaker to refute the contentions of Mr. Straus was William A. Hollingsworth. He pointed out that the fair trade laws could not be called price-fixing, since the contracts are vertical and every article on which the price is maintained must be in free and open competition with products of a similar nature. He pointed out that the collective agreement by groups of manufacturers, wholesalers, or retailers to set the prices on classes of items was still illegal under anti-trust legislation.

Mr. Hollingsworth held that the retailer deserves a fair compensation in return for his services. He added that the large merchants purposely price nationally advertised products low to create the impression that other items were similarly low priced. In so duping the consumer, the manufacturer of the brand is made a party to the situation, he said.

To contradict the assertion that fair

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### American I.G. Elects Directors

Walter C. Teagle and Edsel B. Ford were among the directors of American I. G. Chemical Corporation elected at the eighth annual meeting of the stockholders. Others chosen include Carl Bosch, E. M. Clark, Walter H. Duisberg, D. A. Schmitz, Hermann Schmitz, William H. vom Rath and W. E. Weiss.

*A Guaranty of* MERCK *Purity & Reliability*

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# Acid Acetylsalicylic

FOR TABLET MANUFACTURERS

These are only a few of the millions of tablets made with Merck Acid Acetylsalicylic starch granulations. They come out of tablet machines with the least possible amount of capping, sticking, splitting and pitting.

The use of this uniform and pure Merck Product makes a quickly disintegrating tablet, minimizes production difficulties and insures customer satisfaction.

*Write for further information and prices.*

Acid Acetylsalicylic Merck Granulated with 10% Starch (White, Green, and Pink)

Acid Acetylsalicylic Merck Granulated with 16% Starch (White)

Acid Acetylsalicylic Merck Granulated with 20% Starch (White)

MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.

New York: 161 Sixth Avenue Philadelphia: 916 Parrish Street St. Louis: 4528 S. Broadway

In Canada: Merck & Co. Ltd., Montreal and Toronto

RECEIVED JUN 14 1937 LIBRARY THE DRUGGISTS' CLUB

# Current Market Quotations

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**When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.**

## A

| | | | |
|---|---|---|---|
| **Acacia (see Gum, Arabic)** | | | |
| **Acetal, dms., works** | lb. | .75 | 1.00 |
| **Acetaldehyde, dms., c.l., works** | lb. | .14 | — |
| l.c.l., works | lb. | .16 | — |
| **Acetamide, CP, bots., kegs, c.l., works** | lb. | .35 | — |
| l.c.l., 1,000 lbs., works | lb. | .43 | — |
| smaller lots, works | lb. | .48 | 1.00 |
| **tech., kegs, c.l., works** | lb. | .32 | — |
| l.c.l., 1,000 lbs., works | lb. | .38 | — |
| smaller lots, works | lb. | .43 | .75 |
| **Acetanilide, tech., 95%, bbls.** | lb. | .24 | Nom. |
| **USP, bbls., 1,000 lbs** | lb. | .25 | — |
| smaller lots | lb. | .26 | — |
| **kegs, 1,000 lbs** | lb. | .26 | — |
| smaller lots | lb. | .27 | — |
| **Acetin, tech., dms** | lb. | .33 | — |
| **Acetoacetanilide, dms** | lb. | .65 | .70 |
| **Acetone, CP, dms., c.l., dlvd.** | lb. | .06 | — |
| l.c.l., dlvd | lb. | .06½ | — |
| tanks, dlvd | lb. | .05 | — |
| **Methyl (see M)** | | | |
| **Acetophenone, bots** | lb. | 1.30 | 1.45 |
| **cns., 25 lbs** | lb. | 1.15 | 1.25 |
| **dms., 100 lbs** | lb. | 1.05 | — |
| **Acetphenetidin, bbls., kegs, 1,000 lbs** | lb. | 1.30 | — |
| **single pkg** | lb. | 1.35 | — |
| **smaller pkgs** | lb. | 1.32 | 1.40 |
| **Acid, abietic, bbls., c.l.** | lb. | .09¾ | — |
| l.c.l. | lb. | .10 | — |
| **Acetic, comi. or redist., 28%, bbls.** | 100 lbs. | 2.53 | 2.78 |
| cbys. | 100 lbs. | 3.03 | 3.28 |
| **56%, bbls.** | 100 lbs. | 4.75 | 5.00 |
| cbys. | 100 lbs. | 5.25 | 5.50 |
| **70%, bbls.** | 100 lbs. | 5.92 | 6.17 |
| cbys. | 100 lbs. | 6.40 | 6.65 |
| **80%, bbls.** | 100 lbs. | 6.74 | 6.99 |
| cbys. | 100 lbs. | 7.24 | 7.49 |
| **glacial, nat., CP., cbys.** | 100 lbs. | 14.00 | — |
| 99.5%, nat., bbls., c.l., | 100 lbs. | 8.70 | 8.95 |
| cbys. | 100 lbs. | 9.20 | 9.45 |
| syn., al. dms., c.l. | 100 lbs. | 8.70 | 8.95 |
| cbys. | 100 lbs. | 9.20 | 9.45 |
| USP, reagent, 99.8%, al. dms. | 100 lbs. | 10.75 | 11.00 |
| cbys. | 100 lbs. | 13.75 | 14.00 |
| **pure, 80%, bbls., c.l.** | 100 lbs. | 3.60 | 3.85 |
| cbys. | 100 lbs. | 4.10 | 4.35 |
| **36%, bbls., c.l.** | 100 lbs. | 4.05 | 4.25 |
| cbys. | 100 lbs. | 4.55 | 4.80 |
| **60%, bbls., c.l.** | 100 lbs. | 6.79 | 7.04 |
| cbys. | 100 lbs. | 7.29 | 7.54 |
| **80%, bbls., c.l.** | 100 lbs. | 8.53 | 9.08 |
| cbys. | 100 lbs. | 9.03 | 9.28 |

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C. Md., Mass, N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

| | | | |
|---|---|---|---|
| **Acetic, anhydride, dms., c.l.** | lb. | .13 | — |
| l.c.l., dms., cbys | lb. | .14 | .15 |
| **Acetylsalicylic, USP, bbls. 225 lbs.** | lb. | .50 | — |
| **boxes, 25 lbs** | lb. | .51 | — |
| **kegs, 100 lbs** | lb. | .50 | — |
| **Anthranilic, refd., bbls** | lb. | .85 | .90 |
| tech., bbls | lb. | .75 | — |
| **Arsenous, tech. (see Arsenic, White).** | | | |
| USP., powd., dms., kegs | lb. | .18 | — |
| **Battery, cbys, c.l. E. works 100 lbs.** | | 1.35 | 1.50 |
| l.c.l., 25 or more, E. works, 100 lbs. | | 1.60 | 1.75 |
| **10-24, E. works** | 100 lbs. | 2.35 | 2.50 |
| **1-9, E. works** | 100 lbs. | 2.35 | 2.50 |
| **Benzoic, tech., bbls., 4,000 lbs. or more** | lb. | .43 | — |
| **1,000 to 3,900 lbs** | lb. | .44 | — |
| **900 lbs. or less** | lb. | .47 | — |
| **USP, bbls., 4,000 lbs. or more** | lb. | .54 | — |
| 1,000 to 3,900 lbs | lb. | .55 | — |
| **900 lbs. or less** | lb. | .58 | .62 |
| **dms., 4,000 lbs. or more** | lb. | .56 | .56 |
| 1,000 to 3,900 lbs | lb. | .56 | .57 |
| **900 lbs. or less** | lb. | .59 | .60 |
| **Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd.** | ton. | 105.00 | — |
| c.l., delvd | ton. | 110.00 | — |
| l.c.l., ex whse | ton. | 115.00 | 120.00 |
| **sks., contracts, 80 tons, delvd.** | ton. | 95.00 | — |
| c.l., delvd | ton. | 100.00 | — |
| l.c.l., ex whse | ton. | 105.00 | 110.00 |
| **powd., bbls., contracts, 80 tons, delvd.** | ton. | 110.00 | — |
| c.l., delvd | ton. | 115.00 | — |
| l.c.l., ex whse | ton. | 120.00 | 135.00 |
| **sks., contracts, 80 tons, delvd.** | ton. | 100.00 | — |
| c.l., delvd | ton. | 105.00 | — |
| l.c.l., ex whse | ton. | 110.00 | 125.00 |
| **USP., $25 per ton higher.** | | | |
| **Broenner's** bbls | lb. | 1.11 | — |
| Butyric, 99%, dms., c.l., S. Charleston, W. Va. | lb. | .22 | — |
| l.c.l., same basis | lb. | .23 | — |
| tanks, same basis | lb. | .21 | — |
| **Camphoric, cans** | lb. | 5.50 | 5.70 |
| **Capric, dms** | lb. | .19½ | .20 |
| Caproic, cans | lb. | 2.20 | — |
| **Carbolic (see Phenol).** | | | |
| **Castor oil, split, dms** | lb. | .16 | .16½ |
| **Chlorosulphonic, dms., c.l., works** | lb. | .0350 | — |
| 5 drum lots, works | lb. | .04 | — |
| single drum | lb. | .05 | — |
| tanks, works | lb. | .03 | — |
| **Cinnamic, refd., bots** | lb. | 2.85 | 3.25 |
| **Citric, cryst., bbls** | lb. | .25 | — |
| **kegs** | lb. | .25½ | — |
| **gran., bbls** | lb. | .25 | — |
| **kegs** | lb. | .25½ | — |
| powd., bbls | lb. | .25½ | — |
| **anhyd., gran., dms** | lb. | .27½ | — |
| powd., dms | lb. | .28 | — |

Prices on citric acid are f.o.b. N. Y.; Chicago and St Louis deliveries are ½c. higher than N. Y.

| | | | |
|---|---|---|---|
| **Acid, cleve's, bbls** | lb. | .50 | — |
| Cottonseed oil, dms | lb. | .09½ | .10¾ |
| **Cresylic, high-boil, dms., c.l., works, frt. equaled** | gal. | .89 | — |
| l.c.l., same basis | gal. | .91 | — |
| **low-boil, dms., c.l., works, frt. equaled** | gal. | .92 | — |
| l.c.l., same basis | gal. | .94 | — |
| **imported pale, 97-99, dms.** | gal. | 1.00 | Nom. |
| **special resin grade, dms., c.l., works** | lb. | .10¾ | — |
| l.c.l., same basis | lb. | .11¼ | — |
| Crotonic, dms., works | lb. | .75 | 1.00 |
| **Diethylbarbituric (see Barbital).** | | | |
| **Formic, dom., seaboard, 90%, cbys., f.o.b. stock points, c.l.** | lb. | .11 | — |
| l.c.l., 25 and over | lb. | .1150 | — |
| **1-24** | lb. | .12 | — |
| **inland territory, cbys., c.l.** | lb. | .1185 | — |
| l.c.l., 25 and over | lb. | .1235 | — |
| **1-24** | lb. | .1285 | — |
| **southern territory, cbys., c.l.** | lb. | .1220 | .1290 |
| l.c.l., 25 and over | lb. | .1270 | .1340 |
| **1-24** | lb. | .1320 | .1390 |
| **Fumaric, bbls** | lb. | .60 | — |
| **Furoic, tech., fib. ctns., 100 lbs., works** | lb. | .35 | — |
| smaller lots, works | lb. | .46 | — |
| **Gallic, tech., bbls** | lb. | .65 | .68 |
| **N.F., VI, bbls** | lb. | .77 | .80 |
| **Gamma, bbls** | lb. | .85 | — |
| **Gluconic, tech., 50%, bbls., 500 lbs.** | lb. | .20 | — |
| **H, bbls** | lb. | .50 | .55 |
| **Hempseed oil, dms** | lb. | .1180 | .1225 |
| **Hydriodic, 47%, bots** | lb. | 2.20 | 2.25 |
| **57%, bots** | lb. | 2.65 | 2.70 |
| **Hydrobromic, 10% dilut., USP,** | lb. | .20 | .21 |
| pure, 34% conct, cbys | lb. | .42 | .44 |
| **Hydrochloric (see Muriatic).** | | | |
| **Hydrocyanic, cyls, works** | lb. | .80 | 1.00 |
| **Hydrofluoric, 30%, bbls** | lb. | .07 | .0750 |
| lead, cbys | lb. | .09 | .0950 |
| **48%, lead cbys** | lb. | .1150 | .12 |
| **52%, lead cbys** | lb. | .1250 | .13 |
| **60%, lead cbys** | lb. | .15 | .1550 |
| **Hydrofluosilicic, 30-35%, bbls** | lb. | .10½ | .15 |
| **Hypophosphorus, USP, 30%, dms** | lb. | .75 | — |
| **Lactic, tech., dark, 22%, bbls., c.l., works** | 100 lbs. | 2.50 | — |
| l.c.l., bbls., works | 100 lbs. | 2.75 | — |
| cbys., works | 100 lbs. | 3.75 | — |
| **44%, bbls., c.l., works, 100 lbs.** | | 5.50 | — |
| l.c.l., bbls., works | 100 lbs. | 5.75 | — |
| cbys., works | 100 lbs. | 6.75 | — |
| **light, 22%, bbls., c.l., works, 100 lbs.** | | 3.50 | — |
| l.c.l., bbls., works | 100 lbs. | 3.75 | — |
| cbys., works | 100 lbs. | 4.75 | — |
| **44%, bbls., c.l., works, 100 lbs.** | | 6.50 | — |
| l.c.l., bbls., works | 100 lbs. | 6.75 | — |
| cbys., works | 100 lbs. | 7.75 | — |
| **50%, edible, 20 and over, bbls., cbys.** | lb. | .10½ | .11½ |
| plastic grade | lb. | .12½ | .13¼ |
| **5 to 19, edible, bbls., cbys., lb.** | | .11 | .12 |
| plastic grade | lb. | .12¾ | .13¾ |
| **1 to 4, edible, bbls., cbys., lb.** | | .11½ | .12½ |
| plastic grade | lb. | .13¼ | .14¼ |
| **80%, 5 and over, bbls., cbys.** | lb. | .21 | .22 |
| **1 to 4 bbls., cbys** | lb. | .21½ | .22½ |
| **USP, X, 85%, cbys** | lb. | .42 | .45 |
| **USP, VIII, 75%, cbys** | lb. | .40 | .43 |
| **Laurent's, bbls** | lb. | .45 | — |
| **Linseed oil, dark or light, dms** | lb. | .1340 | .1380 |
| tanks | lb. | .1280 | — |
| **extra white, dms** | lb. | .1125 | .1175 |
| split, dms | lb. | .0950 | .1060 |
| **Maleic, powd., dms** | lb. | .30 | .40 |
| **anhydride, dms** | lb. | .33 | .43 |
| **Malic, powd., kegs** | lb. | .45 | .60 |
| **Mandelic, bots** | lb. | 3.00 | — |
| fib. dms | lb. | 2.65 | 2.75 |
| **Mixed, tanks, nitric unit** | lb. | .06½ | .07¼ |
| sulphuric unit | lb. | .0085 | .009 |
| **Monochloroacetic, tech., bbls.** | lb. | .16 | .17 |
| **99%, bbls** | lb. | .18 | .19 |
| **Monosulphonic, bbls** | lb. | 1.50 | 1.60 |
| **Muriatic, 18°, cbys., c.l., E. works** | 100 lbs. | 1.35 | — |
| l.c.l., 25 and over, E. works | 100 lbs. | 1.60 | — |
| 10 to 24, works | 100 lbs. | 1.75 | — |
| 1 to 9, works | 100 lbs. | 2.35 | — |
| tanks, works | 100 lbs. | 1.00 | — |
| **20°, cbys., c.l., E. works.** | 100 lbs. | 1.45 | — |
| l.c.l. 25 and over, works, | 100 lbs. | 1.70 | — |
| 10 to 24, works | 100 lbs. | 1.85 | — |
| 1 to 9, works | 100 lbs. | 2.45 | — |
| tanks, works | 100 lbs. | 1.10 | — |
| **22°, cbys, c.l., E. works.** | 100 lbs. | 1.95 | — |
| l.c.l., 25 and over, works, | 100 lbs. | 2.20 | — |
| 10 to 24, works | 100 lbs. | 2.35 | — |
| 1 to 9, works | 100 lbs. | 2.95 | — |
| tanks works | 100 lbs. | 1.60 | — |
| CP, cbys | lb. | .06½ | .07¼ |
| 6-lb. bots | lb. | .08½ | .13½ |
| **Myristic, dms** | lb. | .14¼ | .16 |
| white, redist., dms | lb. | .15¾ | .16¾ |
| **Naphthenic, S.V. 120-200, dms** | lb. | .07 | Nom. |
| 210-230, dms | lb. | .09 | Nom. |
| 240-280, dms | lb. | .10 | Nom. |
| sludges, dms | lb. | .05 | Nom. |
| **Neville & Winther's, bbls** | lb. | .85 | .87 |
| **Nitric, 36°, cbys., c.l., E. works, 100 lbs.** | | 5.00 | — |
| l.c.l., 25 and over, E. works | 100 lbs. | 5.25 | — |
| 10 to 24, works | 100 lbs. | 5.40 | — |
| 1 to 9, works | 100 lbs. | 6.00 | — |
| **38°, cbys., c.l., E. works, 100 lbs.** | | 5.50 | — |
| Western works | 100 lbs. | 5.75 | — |
| l.c.l., 25 and over, E. works | 100 lbs. | 5.75 | — |
| 10 to 24, works | 100 lbs. | 5.90 | — |
| 1 to 9, works | 100 lbs. | 6.50 | — |
| **40°, cbys., c.l., E. works, 100 lbs.** | | 6.00 | — |

| | | | |
|---|---|---|---|
| **Acid, nitric, 40°, l.c.l., 25 and over, E. works** | 100 lbs. | 6.25 | — |
| **10 to 24, works** | 100 lbs. | 6.40 | — |
| **1 to 9, works** | 100 lbs. | 7.00 | — |
| **42°, cbys, c.l., E. works, 100 lbs.** | | 6.50 | — |
| l.c.l., 25 and over, works, 100 lbs. | | 6.75 | — |
| **10 to 24, works** | 100 lbs. | 6.90 | — |
| **1 to 9, works** | 100 lbs. | 7.50 | — |
| **CP, cbys** | lb. | .11½ | .12¼ |
| 7-lb. bots | lb. | .12½ | .23½ |
| **Prices of yellow nitric acid 25c. per 100 lbs. below those above.** | | | |
| **Oleum (see sulphuric fuming).** | | | |
| **Oxalic, dom., bbls., c.l., works.** | lb. | .10¾ | — |
| 10,000 lbs., and over | lb. | .11 | — |
| smaller quantities | lb. | .12 | .14 |
| **Palm oil, dms** | lb. | .08¾ | .09¼ |
| **Phenylacetic, bots** | lb. | 2.00 | 3.25 |
| **Phosphoric, tech., 50%, cbys.** | lb. | .06 | — |
| **75%, cbys** | lb. | .09 | — |
| **USP, 85%, s. g. 1.710, cbys., 70 lbs** | lb. | .13 | — |
| djns., 25 lbs. | lb. | .15 | — |
| **50% s.q., 1347, cbys., 70 lbs.** | lb. | .12 | — |
| djns., 25 lbs. | lb. | .15 | — |
| **10%, dilut., cbys, djns.** | lb. | .07 | .07½ |
| **Picramic, kgs** | lb. | .65 | .70 |
| **Picric, bbls** | lb. | .35 | — |
| **Propionic, ref., cbys., works.** | lb. | .25 | — |
| dms., works | lb. | .22 | — |
| **tech., cbys., works** | lb. | .20 | — |
| dms., works | lb. | .16 | — |
| **Pyrogallic, tech., lump, powd., bbls.** | lb. | .90 | — |
| cns. | lb. | .95 | — |
| **USP, cryst., cns** | lb. | 1.55 | 1.60 |
| **resubl., cns** | lb. | 1.90 | 2.00 |
| **Pyroligneous, bbls., dlvd. E.** | gal. | .25 | — |
| **Ricinoleic, dms** | lb. | .38 | — |
| **Salicylic, tech., bbls** | lb. | .33 | — |
| **USP, bbls** | lb. | .40 | .45 |
| **Sebacic, C.P., bbls., works.** | lb. | .58 | — |
| **tech., bbls., works** | lb. | .37 | .41 |
| **Soybean oil, dist., dms** | lb. | .10½ | .11½ |
| **Stearic, distil., double pressed, bgs., dlvd.** | lb. | .12½ | .13½ |
| single pressed, bgs., dlvd. | lb. | .12 | .13 |
| triple pressed, bgs., dlvd. | lb. | .15¼ | .16¼ |
| **saponif., double pressed bgs., dlvd.** | lb. | .12¾ | .13¾ |
| triple pressed, bgs., dlvd. | lb. | .15½ | .16½ |
| **Succinic, bbls** | lb. | .75 | — |
| **Sulphanilic, CP, bots, works.** | lb. | 1.60 | 1.68 |
| tech., dms., works | lb. | .17 | — |
| **Sulphonaphthenic, dms** | lb. | .04 | .10 |
| **Sulphuric, 60°, cbys., c.l., E. works** | 100 lbs. | 1.10 | — |
| l.c.l., 25 and over, works, 100 lbs. | | 1.35 | — |
| 10 to 24, works | 100 lbs. | 1.50 | — |
| 1 to 9, works | 100 lbs. | 2.10 | — |
| **tanks, E. works** | ton. | 12.00 | — |
| **66°, cbys., c.l., E. works, 100 lbs.** | | 1.35 | — |
| l.c.l., 25 and over, works, 100 lbs. | | 1.50 | — |
| 10 to 24 works | 100 lbs. | 1.75 | — |
| 1 to 9, works | 100 lbs. | 2.35 | — |
| tanks, E. works | ton. | 15.50 | — |
| **98%, tanks, works** | ton. | 16.50 | — |
| **CP, cbys** | lb. | .06½ | .07½ |
| **9-lb. bots** | lb. | .08½ | .17½ |
| **fuming, 20%, tanks, E. works.** | ton. | 18.50 | — |
| **65%, tanks, E. works** | ton. | 35.00 | — |
| **Tannic, tech., bbls** | lb. | .26 | .32 |
| **USP, fluffy, bbls., 1,000 lbs.** | lb. | .78 | — |
| smaller lots | lb. | .80 | — |
| **powd., bbls., 1,000 lbs** | lb. | .68 | — |
| smaller lots | lb. | .70 | — |
| **Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment** | lb. | .23¾ | — |
| smaller quantities | lb. | .24¼ | — |
| kgs. | lb. | .24¾ | — |
| **Tobias, bbls** | lb. | .65 | — |
| **Trichloroacetic, bots** | lb. | 2.00 | 2.50 |
| **Tungstic, CP, kgs** | lb. | 3.00 | — |
| **tech., kgs** | lb. | 2.75 | — |
| **Aconite leaves, bls** | lb. | .22 | .24 |
| **Root, bls** | lb. | .30 | .32 |
| **Aconitine, amorph., bots** | oz. | 17.00 | 18.00 |
| vls. | gr. | .06 | .09 |
| **cryst., bots** | oz. | 30.00 | — |
| vls. | gr. | .09 | .11 |
| **Adeps, lanae, anhyd., dms** | lb. | .17½ | .19 |
| hyd., dms | lb. | .16 | .18 |
| **Agar, 1, bls** | lb. | 1.15 | 1.20 |
| **2, bls** | lb. | 1.05 | Nom. |
| **3, bls** | lb. | .65 | .90 |
| **Agaric, white, bls** | lb. | 3.00 | 3.25 |
| **Albumen, blood, dark, flake, bgs., c.l., Chicago** | lb. | .11 | — |
| l.c.l., bgs., Chicago | lb. | .13 | .15 |
| pow'd, grade A, Chicago, ton lots | lb. | .15 | — |
| smaller lots, Chicago | lb. | .18 | — |
| **light, dom., flake, dms, Chicago** | lb. | .52 | .60 |
| import, bgs | lb. | .50 | — |
| **Egg, ed., dom., bbls** | lb. | 1.05 | — |
| import, cs | lb. | .76 | .77 |
| **Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld** | lb. | .133 | — |
| l.c.l., frt. alld | lb. | .143 | — |
| tanks, frt. alld | lb. | .123 | — |
| **secondary, dms., c.l., frt. pd., E. of Rocky Mts** | lb. | .09½ | — |
| l.c.l., same terms | lb. | .10 | — |
| tanks, same terms | lb. | .08½ | — |
| **Benzyl, cans** | lb. | .70 | — |
| drums | lb. | .63 | — |
| **Butyl, normal, dms., c.l., frt. alld** | lb. | .10 | — |
| l.c.l., frt., alld | lb. | .10¼ | — |
| **tanks, frt., alld** | lb. | .09 | — |
| **secondary, dms., c.l., frt. pd., E. of Rocky Mts** | lb. | .08 | — |
| l.c.l., same terms | lb. | .08¼ | — |
| tanks, same terms | lb. | .07 | — |
| **tertiary, denating, dms., frt. alld** | lb. | .14 | — |
| **Caprl, pure, dms., works** | lb. | 2.50 | — |
| **tech., dms., works** | lb. | .85 | — |

## Acacia—Alumina Acetate

| | | | |
|---|---|---|---|
| **Alcohol, cetyl., dom., C.P., fiber ctns., 1,000 lbs** | lb. | 1.50 | — |
| 500 lbs | lb. | 1.70 | — |
| 100 lbs | lb. | 1.80 | — |
| 25 lbs | lb. | 1.90 | — |
| 5 lbs | lb. | 2.00 | — |
| **coml., dms** | lb. | .95 | — |
| **import, 85%, dms., 100 lbs** | lb. | .55 | — |
| 5 to 10 lbs | lb. | .75 | — |
| **coml., dms., 350 lbs** | lb. | .45 | — |
| **Cinnamic, bots** | lb. | 2.50 | 3.50 |
| **Denatured, CD11, 12, 13, dms., c.l., works, E. frt. equal.** | gal. | .34 | — |
| 20 dms., East | gal. | .36 | — |
| 1-19 dms., East | gal. | .39 | — |
| tanks, East | gal. | .28 | — |

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit

| | | | |
|---|---|---|---|
| **SD1, 190 pf., bbls., c.l., E. works** | gal. | .33 | — |
| **19 bbls., E. works** | gal. | .35 | — |
| **1 to 18 bbls., E. works, gal.** | | .38 | — |
| **dms., c.l., E. works** | gal. | .32 | — |
| **19 dms., E. works** | gal. | .34 | — |
| **1 to 18 dms., E. works, gal.** | | .37 | — |
| tanks, E. works | gal. | .26 | — |

Anhydrous, 5c. per gal. higher.

| | | | |
|---|---|---|---|
| **Special solvent, dms., c.l., E. works** | gal. | .33 | — |
| **20 dms., E. works** | gal. | .35 | — |
| **1 to 19 dms., E. works, gal.** | | .38 | — |
| tanks, E. works | gal. | .27 | — |

Tankcar sales require written authorization by Alcohol Tax Unit.

| | | | |
|---|---|---|---|
| **Diacetone, pure, contract, dms., c.l., frt. alld** | lb. | .13½ | — |
| l.c.l., frt. alld | lb. | .14 | — |
| **tech., contract, dms., c.l., frt. alld** | lb. | .12½ | — |
| l.c.l., frt. alld | lb. | .13 | — |
| **Ethyl, 190 pf., ex molasses, bbls., c.l** | gal. | 4.12 | — |
| 19 bbls | gal. | 4.14 | — |
| 1 to 18 bbls | gal. | 4.17 | — |
| dms., c.l | gal. | 4.11 | — |
| 19 dms | gal. | 4.13 | — |
| 1 to 18 dms | gal. | 4.16 | — |
| tanks | gal. | 4.05 | — |
| absolute, dms | gal. | 4.04 | 6.08½ |

Grain alcohol 45c. per gal. higher.

| | | | |
|---|---|---|---|
| **Furfuryl, tech., cns., works** | lb. | .45 | — |
| **dms., c.l., 33,000 lbs., works, lb.** | | .30 | — |
| l.c.l., 500 lbs. and more, works | lb. | .35 | — |
| **Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky mts** | lb. | .13 | — |
| l.c.l., same terms | lb. | .13½ | — |
| tanks, same terms | lb. | .12 | — |
| **Isoamyl, primary, dms., l.c.l., dlvd.** | lb. | .27 | — |
| **cans, works** | lb. | .32 | — |
| **Isobutyl, refd., dms., c.l. works, frt. alld. E. of Rockies** | lb. | .09¾ | — |
| l.c.l., same terms | lb. | .10 | — |
| tanks, same terms | lb. | .08½ | — |
| **Isopropyl, denat., grd., dms., c.l., frt., alld** | gal. | .32 | — |
| l.c.l., frt., alld | gal. | .33 | — |
| **refd., 91% dms., c.l., f.o.b. dest.** | gal. | .39½ | — |
| l.c.l., same terms | gal. | .44½ | — |
| tanks, same terms | gal. | .34½ | — |
| **98%, dms., c.l., same terms, gal.** | | .44½ | — |
| l.c.l., same terms | gal. | .49½ | — |
| tanks, same terms | gal. | .39½ | — |
| **tech., 91%, dms., c.l., same terms** | gal. | .35 | — |
| l.c.l., same terms | gal. | .40 | — |
| tanks, same terms | gal. | .30 | — |
| **98%, dms., c.l., same terms, gal.** | | .39½ | — |
| l.c.l., same terms | gal. | .44½ | — |
| tanks, same terms | gal. | .34½ | — |
| **Methyl (see Methanol)** | | | |
| **Phenylethyl, bots., cns** | lb. | 2.50 | 2.75 |
| **Propyl (see Isopropyl)** | | | |
| **Aldehol, denat. grade, dms., tanks, works** | gal. | .70 | .80 |
| **Aldol, 95%, dms., c.l., works** | lb. | .21 | — |
| l.c.l., works | lb. | .25 | — |
| **Aletris root, bgs** | lb. | .30 | .31 |
| **Alizarin (see Red, alizarin).** | | | |
| **Alkanet root, bgs** | lb. | .10 | .11 |
| **Aloe, Barbados, true, cs** | lb. | .85 | .90 |
| **Cape, cs** | lb. | .19 | .20 |
| **Curacao, cs** | lb. | .21 | .23 |
| **gourds, bbls** | lb. | .50 | .51 |
| **Socotrine, kgs** | lb. | .32 | .33 |
| **Aloin, bbls., cns** | lb. | 1.50 | 1.55 |
| **Alphanaphthol, bbls** | lb. | .52 | — |
| **Alphanaphthylamine, bbls** | lb. | .32 | — |
| **Althea root, cube cut, bls** | lb. | .26 | .27 |
| **Alum, ammonia, burnt, USP, bbls.** | lb. | .16 | .17 |
| **gran., bbls., works** | 100 lbs. | 2.75 | 3.00 |
| **dlvd. N.Y., Phila** | 100 lbs. | 2.90 | — |
| **lump, bbls., works** | 100 lbs. | 3.00 | 3.25 |
| **dlvd. N.Y., Phila** | 100 lbs. | 3.15 | — |
| **powd., bbls., works** | 100 lbs. | 3.15 | 3.40 |
| **dlvd. N.Y., Phila** | 100 lbs. | 3.30 | — |

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rate, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

| | | | |
|---|---|---|---|
| potash, gran., bbls., works. | 100 lbs. | 3.00 | 3.25 |
| **dlvd. N.Y., Phila** | 100 lbs. | 3.15 | — |
| **lump, bbls., works** | 100 lbs. | 3.25 | 3.50 |
| **dlvd. N.Y., Phila** | 100 lbs. | 3.40 | — |
| **powd., bbls., works** | 100 lbs. | 3.40 | 3.65 |
| **dlvd. N.Y., Phila** | 100 lbs. | 3.55 | — |

Potash alum prices on same basis as those for ammonia alum.

| | | | |
|---|---|---|---|
| **Potash-chrome, bbls** | lb. | .07 | .07½ |
| **Soda, bbls., c.l., works** | 100 lbs. | 3.25 | — |
| l.c.l., dlvd | 100 lbs. | 4.25 | 5.00 |
| **Alumina acetate, CP, 20% solut., bbls.** | lb. | .09 | .10 |

## Alumina Chlor.—Amyl Alcohol

Alumina chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works....lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works.lb. .08 - —
100 lbs., or less, works.lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06¼- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
less car lots, works....lb. .03½- —
light, bbls., dlvd.....lb. .13 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l., lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l bgs., c.l., works, frt. equaled..100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
iron-free, bgs., c.l., works. 100 lbs 2.00 - —
l.c.l., works.....100 lbs. 2.25 2.40
Alumina sulphate, iron-free, truckload, dlvd, met. N.Y. 100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y.. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works.....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd., met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms.. c.l...lb. 20
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63½- —
5,000 lbs., same basis..lb. .64½- —
2,000 lbs., single shipt., same basis..lb. .65 - —
On 2,000-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 2,000-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.
ink, dms., 30,000 lbs., same basis..lb. .73½- —
5,000 lbs., same basis..lb. .74½- —
Aluminum, paste, ink, dms., 2,000 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis—lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90½- —
5,000 lbs., same basis..lb. .91 - —
2,000 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55½- —
5,000 lbs., same basis..lb. .56½- —
2,000 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis. lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis..lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis..lb. .41¼- —
Aluminum, powd., litho., stand., dms., 2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
rubber comp., dms., 30,000 lbs., same basis..lb. .38½- —
5,000 lbs., same basis..lb. .39½- —
2,000 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste)
unpolished, dms., 30,000 lbs., same basis..lb. .35½- —
5,000 lbs., same basis..lb. .36½- —
2,000 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste)
varnish, extra brilliant, dms., 30,000 lbs., same basis..lb. .41¼- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis.lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipt (see note fine lining paste)
standard, dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis.lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste)
Ambergris, gray, tins.....oz.17.00 -35.00
Amidopyrene, fib., dms., 100 lbs.. lb. 4.00 - —
bots., 5 lbs.....lb. 4.22 - 4.25
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms .....lb. .65 - .70
Ammonia, anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works,.lb, .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls.. dlvd., met. N.Y., lb. .16 - .22
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on $NH_3$ content)...lb. .04½- —
tankwagons .....lb. .02 - —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd., N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls..lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .11
powd., bbls., dms.....lb. .09 - —
Chloride, tech. (see Ammoniac, sal)
Chloride, USP, gran., bbls..lb. .11 - .16
kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls.....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .15 - —
Naphthenate, bbls.....lb. .17 - —
Nitrate, tech., bags, c.l., works. 100 lbs. 3.60 - —
bbls., works.....100 lbs. 3.75 - —
l.c.l., bags, works.....100 lbs. 3.85 - —
bbls., works.....100 lbs. 4.00 - —
Oleate, dms.....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .22½- —
Perchlorate, kgs.....lb. .10 - —
Perchlorate, kgs.....lb. .16 - —
Phosphate, dibasic, N.F.V., bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fertilizer grade), 11% N 48% phos., bulk, f.o.b. E. works..unit-ton. 1.20 & .70
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens, contr., 11-13 mos. June-Oct., ton..26.50 - —
Nov.-Dec. .....ton.27.00 - —
Jan.-June 1938.....ton.27.50 - —
Ammonia sulphate contracts any 6-10 mos., through June 1938, $1 per ton additional; contracts any 1-5 mos., through June 1938 $2 per ton additional; spot prices $2 per ton additional. Bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis. and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.
Sulphide, liquid, 35-40%, basis 100%, dms., works..lb. .12 - .15
tanks, delvd .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works..lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs.....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - .0670
white, gran., dom., bbls., contracts, works.100 lbs. 5.00 - 5.05
import, csks .....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11½- —
l.c.l., frt., alld.....lb. .12 - —
tanks, works .....lb. .10½- —
ex pentane, dms., frt., alld., lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol, amyl).


SLOW EVAPORATION MINIMIZES COTTON BLUSH

PENTASOL and PENT-ACETATE

have a higher boiling range than other commonly used lacquer solvents. This means SLOW EVAPORATION which permits all of the non-solvents present in the lacquer to evaporate before **PENT-ACETATE** leaves the film — a most valuable property where petroleum diluents are used.

**PENTASOL** and **PENT-ACETATE** are ALL AMYL. Properly formulated in lacquers, they minimize orange peel and "sanding", assure higher quality, improved gloss, and a more brilliant, durable film.

SHARPLES TRADE MARK SOLVENTS

THE SHARPLES SOLVENTS CORPORATION

2300 Westmoreland St., Phila., Pa. • 80 E. Jackson Blvd., Chicago, Ill. • 551 Fifth Ave., N. Y. C.

Amyl butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
Chlorides, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .077 - —
tanks, works.....lb. .06 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots, 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l. works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots .....lb. 1.15 - 1.20
Angelica root, dom., bls.....lb. .23 - .25
import, natural, bls.....lb. .28 - .30
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .55 - .56
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14½ - —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .12½ - .13
Star, ugs.....lb. .12 - .12½
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .07½ - .08½
Anthraquinone, 99.5%, subl., bbls. lb. .65 - —
Antimony, butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, dom.....lb. .14½ - —
Chinese, duty paid.....lb. .14¼ - —
Needle, powd., bbls.....lb. .17½ - .19½
Oxide, dom., bbls., c.l.....lb. .16½ Nom.
l.c.l. .....lb. .16¾ Nom.
import, bbls. .....lb. .16¾ Nom.
Salts, 65%, kgs.....lb. .23¾ - .24
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c. lb. lb. .11½ - .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 - 23.70
Archil extract, conc., bbls....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .10 - .12
Arecoline hydrobromide, bots., oz. 5.50 - 6.50
Argols, pure, 100%, csks..... 100 kilos. 27.50 - —
Arnica flowers, bls. .....lb. .28 - .30
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08¾ - .08¾
bbls. .....lb. .08½ - .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import., cs.....lb. .15¾ - .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾ - —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .18 - .19
powd., bbls., bxs.....lb. .32 - .35
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. inmes..ton. 37.50 - —
5R, bgs., c.l. (20 tons), Canad. mines—ton. 35.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 27.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 21.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 17.00 - —
7K, bgs., c.l. (30 tons), Canad. mines—ton. 14.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 12.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½ - —
smaller lots, f.o.b. N. Y.lb. .03½ - —
AA, bgs., 20 tons, f.o.b. N. Y..lb. .08½ - —
smaller lots, f.o.b. N. Y.lb. .10½ - —
California, dms., c.l., f.o.b. N.Y. ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 30.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points .....ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 49.50 - —
Jet, bgs., c.l., Western shipping points..ton. 30.50 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery....ton. 12.50 - 14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½ - —
N. Orleans refinery....gal. .06 - —
Wyo., refinery.....gal. .07½ - —
Atropine, bots.....oz. 5.25 - 5.80
Sulphate, bots.....oz. 2.90 - 3.55
cns. .....oz. 2.85 - —

## B

Balm of Gilead buds, bgs.....lb. .38 - .40
Barberry bark, bgs.....lb. .10 - .11
Root bark, bls.....lb. .14 - .15
Barbital, cs. .....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works. ton. 44.00 - —
99%, 200 mesh, bgs., c.l., works..ton. 47.00 - —
precip., bgs., c.l., works..ton. 52.50 - —
bbls., works.....ton. 57.50 - —
l.c.l., bgs., works.....ton. 57.50 - —
bbls., works.....ton. 62.50 - —
sulphur-free bgs., bbls., c.l., works..ton. 57.50 - 62.50
Chlorate, kgs.....lb. .16½ - .17½
Chloride, C.P., cryst., bbls...lb. .19 - —
dms. .....lb. .20 - —
tech., dom., cryst., bgs., c.l., Zone 1, divd. New England States, N. Y., N. J., Pa., Md., Dela., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Arkansas line. ton. 72.00 - —

Barium chloride, tech., c.l., Zone 1, bbls., same basis..ton. 74.00 - —
l.c.l., bgs., same basis, ton. 85.00 - —
bbls., same basis..ton. 87.00 - —
Zone 2, bgs., c.l., dlvd. Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla..ton. 76.00 - —
bbls., same basis..ton. 78.00 - —
l.c.l., bgs., same basis, ton. 89.00 - —
bbls., same basis..ton. 91.00 - —
Zone 3, bgs., c.l., dlvd. Minn., Ia., Mo., Tex., Mont., Wyo., Col., N. Mex., Idaho, Utah, Ariz., ton. 82.00 - —
bbls., same basis..ton. 84.00 - —
l.c.l., bgs., same basis, ton. 95.00 - —
bbls., same basis..ton. 97.00 - —
Zone 4, bgs., c.l., dlvd. Wash., Ore., Calif., Nev..ton. 78.00 - —
bbls., same basis..ton. 80.00 - —
l.c.l., same basis....ton. 91.00 - —
bbls., same basis..ton. 93.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls. .....lb. .15 - .16
Fluosilicate, bbls. .....lb. .15 - .16
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾ - .05½
Iodide, bots. .....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .08¼
Oxide, dms. .....lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½ - .10
kgs. .....lb. .12 -

Barytes, dom., floated, bbls., c.l., St. Louis..ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 26.15 - —
Chicago .....ton. 31.15 - —
Cleveland .....ton. 33.50 - —
New York.....ton. 32.00 - —
paper bgs., c.l., St. Louis. ton. 22.85 - —
l.c.l., ex car, Baltimore. ton. 30.70 - —
Boston .....ton. 31.70 - —
Philadelphia .....ton. 30.50 - —
ex whse., Baltimore. ton. 32.10 - —
Boston .....ton. 35.20 - —
Chicago .....ton. 30.35 - —
Cleveland .....ton. 33.00 - —
Detroit .....ton. 33.00 - —
Kansas City.....ton. 30.95 - —
Los Angeles.....ton. 42.00 - —
New York.....ton. 31.50 - —
Philadelphia .....ton. 31.90 - —
San Francisco.....ton. 42.00 - —
Toronto .....ton. 29.30 - —
Southern off color, bulk, mines..ton. 12.00 - —
95.75%, bulk, mines.....ton. 16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock., t.a..ton. 25.00 - 26.00
l.c.l., ex wrhse.....ton. 30.00 - —
ungrd., bulk, c.l., ex dock. ton. 13.00 - 14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex wrhse.....ton. 32.50 - —
Bauxite, bulk, mines..... ton. 7.00 - 10.00
Bay leaves (see Laurel leaves).
Bay rum, import., bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .14 - .15
Root, bls.....lb. .10 - .11
Bentonite, l, 96%, 300 mesh, bgs., Wyo. works..ton. 16.00 - —
2, 92%, 200 mesh, bgs., Wyo. works..ton. 11.00 - —

### Amyl Butyrate—Bismuth

Benzaldehyde, tech., cbys., dms. lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. 1.25 - —
5 to 25 lbs.....lb. 1.30 - 1.35
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., bots....lb. .55 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., tins.lb. .90 - 1.20
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.35 - 3.50
Berberine bisulphate, cns.....lb. 13.00 - 13.25
Hydrochloride, cns.....lb. 13.00 - 13.25
Sulphate, cns.....lb. 14.75 - 15.00
Berberis root, bls.....lb. .13 - .15
Betanaphthol, subim., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs..lb. .51 - —
Betel root, bls.....lb. .14 - .15
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb., bots...lb. 1.34 - —
cns. .....lb. 1.20 - —


★

# TRIMETHYLAMINE

# $(CH_3)_3N$

TRIMETHYLAMINE, an easily condensable gas, offers many possibilities in the process industries and in the synthesis of chemical compounds. Being a strong base, it unites readily with inorganic and organic acids. It decomposes between 800° C. and 1300° C. to form hydrogen cyanide and methane. Trimethylamine is readily flammable.

The technical and patent literature describe numerous uses for trimethylamine. It has been found to be an effective warning agent in bottled gases and a good insect attractant. Being insensitive to moisture, the perchlorates of this chemical are useful in the manufacture of explosives and detonators. Of the derivatives of trimethylamine, methyl chloride is perhaps the most important. Other derivatives of consequence are also formed by reacting trimethylamine with halogens or ethylene chlorhydrin.

Trimethylamine CSC is sold in the form of a water solution containing approximately 25% of the amine by weight. Samples and complete technical information will be gladly sent on request.

**PROPERTIES**

*TRIMETHYLAMINE* (Gas).
*Color:* Colorless.
*Odor:* Pungent, ammoniacal.
*Specific Gravity:* 0.662 at —5° C.
*Boiling Point:* Approximately 3.5° C.
*Melting Point:* —124° C.
*Solubility in Water:* Very soluble.

*TRIMETHYLAMINE CSC* (Water Solution).
*Purity:* Not less than 98 mol % of the total amines.
*Concentration:* Approximately 25% by weight.
*Formaldehyde:* Not more than 0.3% of the weight of the solution.
*Ammonia:* Not more than 0.2% of the weight of the solution.

COMMERCIAL SOLVENTS CORPORATION
NEW YORK CENTRAL BUILDING, NEW YORK, N. Y.
*PLANTS:* TERRE HAUTE, INDIANA; PEORIA, ILLINOIS; WESTWEGO, LOUISIANA; HARVEY, LOUISIANA; AGNEW, CALIFORNIA
PROMPT SERVICE FROM BRANCH OFFICES AND WAREHOUSES

## Bismuth—Borax

Bismuth, oxychloride, 5-lb. bots. lb. 3.04 - —
cns., kgs. lb. 2.95 - —
Subbenzoate, 5-lb. bots. lb. 3.56 - —
cns. lb. 3.25 - -
Subcarbonate, bots., cns. lb. 1.32 - 1.58
fib. dms lb. 1.23 - 1.26
X-ray, 5-lb. bots. lb. 2.52 - —
fib. dms. lb. 2.46 - —
Subgallate, bots., cns. lb. 1.42 - 1.68
fib. dms. lb. 1.33 - 1.36
Subiodide, cns. lb. 3.91 - —
fib. dms. lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.22 - 1.48
fib., dms. lb. 1.13 - 1.16
Subsalicylate, 62-66%, bxs. lb. 2.44 - —
bbls., fib. dms. lb. 2.35 - —
Sulphocarbolate, 5-lb. bots. lb. 3.61 - —
fib. dms. lb. 3.50 - —
Trioxide, powd., 5-lb. bots. lb. 3.56 - —
cns. lb. 3.45 - —
Bismuth-ammonia citrate, USP. powd., 5-lb. bots. lb. 3.40 - —
cns. lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms. lb. 3.06 - —
Black, acetylene, c.l., dlvd. lb. .15 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E. lb. .16 - —
l.c.l., frt. alld. E. lb. .16½ - —
1, bbls., bgs., c.l., frt. alld. E. lb. .12½ - —
l.c.l., frt. alld. E. lb. .13 - —
2, bbls., bgs., c.l., frt. alld. E. lb. .10½ - —
l.c.l., frt. alld. E. lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E. lb. .09½ - —
l.c.l., frt. alld. E. lb. .10 - —

Black, bone, 4, bbls., bgs., c.l., frt. alld. E. lb. .08½ - —
l.c.l., frt. alld. E. lb. .09
5, bbls., bgs., c.l., frt. alld. E. lb. .07½ - —
l.c.l., frt. alld. E. lb. .08 - —
6, bbls, bgs., c.l., frt. alld. E. lb. .06½ - —
l.c.l., frt. alld. E. lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E. lb. .09 - —
l.c.l., frt. alld. E. lb. .09½ - —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works. lb. .05 - —
l.c.l., dlvd. lb. .07½ - —
ctns., l.c.l., dlvd. lb. .08¾ - —
cs., l.c.l., dlvd. lb. .09 - —
2, bgs., c.l., works. lb. .08½ - —
l.c.l., dlvd. lb. .10½ - —
cs., l.c.l., dlvd. lb. .12 - —
3, bgs., c.l., works. lb. .13 - —
l.c.l., dlvd. lb. .14½ - —
cs., l.c.l., dlvd. lb. .16½ - —
4, bgs., c.l., works. lb. .27½ - —
cs., c.l., works. lb. .29 - —
l.c.l., dlvd. lb. .32 - —
5, bgs., cs., c.l., works. lb. .40 - —
cs., l.c.l., dlvd. lb. .44 - —
6, cs., l.c.l., dlvd. lb. .60 - —
7, cs., l.c.l., dlvd. lb. 1.10 - —
standard, bgs., c.l., dlvd. rail zone A (Gulf ports), for delivery in N.A. (water freights extra). lb. .0445- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports). lb. .0475- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States). lb. .0490- —

Black, carbon, stand., bgs., c.l., 30,000 lbs., dlvd Zone C, Pac. Cst. States. lb. .0505- —
D (Ill., Ia., Wis.). lb. .0490- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y. Ohio, part of Pa., Tenn., W. Va.). lb. .0505- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.). lb. 0535- —
G (Mexico). lb. .0455- —
l.c.l., f.o.b. whse. lb. .07 - —
ctns., l.c.l., dlvd. all zones, lb. .07½ - —
cs., l.c.l., dlvd. all zones. lb. .08½ - —
export, full, comprsd., cs., f.a.s. Gulf ports. lb. .05½Nom.
uncompressed, cs., f.a.s. Gulf ports. lb. .06 Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works. lb. .07¾ - .08½
2, bbls., l.c.l., works. lb. .07 - —
pure, bbls., works. lb. .08¾ - —
Ivory, genuine, bbls. lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works. lb. .07 - —
l.c.l., works. lb. .08 - —
2, ctns., c.l., works. lb. .09 - —
l.c.l., works. lb. .10 - —
2A, ctns., c.l., works. lb. .11 - —
l.c.l., works. lb. .12 - —
3, ctns., c.l., works. lb. .13 - —
l.c.l., works. lb. .14 - —
4, ctns., c.l., works. lb. .14 - —
l.c.l., works. lb. .15 - —
5, ctns., c.l., works. lb. .17 - —
l.c.l., works. lb. .18 - —
6, ctns., c.l., works. lb. .24 - —
l.c.l., works. lb. .25 - —
7, ctns., c.l., works. lb. .34 - —
l.c.l., works. lb. .35 - —

Black, lamp, import, 1, bbls., c.l., f.o.b. N. Y. lb. .08 - —
l.c.l., f.o.b. N. Y. lb. .09 - —
2, bbls., c.l., f.o.b. N. Y. lb. .11 - —
l.c.l., f.o.b. N. Y. lb. .12 - —
3 bbls., c.l., f.o.b. N. Y. lb. .13 - —
l.c.l., f.o.b. N. Y. lb. .14 - —
4, bbls., c.l., f.o.b. N. Y. lb. .14 - —
5, bbls., c.l., f.o.b. N. Y. lb. .19 - —
l.c.l., f.o.b. N. Y. lb. .20 - —
6, bbls., c.l., f.o.b. N. Y. lb. .24 - —
l.c.l., f.o.b. N. Y. lb. .25 - —
Vine, A, bbls., works or N.Y. lb. .04½ - —
B, bbls., works or N. Y. lb. .05½ - —
Black dyes are listed under Dyes.
Black haw root bark, bls. lb. .21 - .22
Tree bark, bls. lb. .12 - .13
Black Indian hemp root, bls. lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l. ton. 60.00 -65.00
l.c.l. ton. 65.00 -70.00
high grade precip., bgs., c.l., works, frt. equal. ton. 70.00 - —
l.c.l., same basis. ton. 75.00 - —
pulp, 66⅔%, bulk, c.l., works. ton. 40.00 -42.50
Bleaching powder, dms., c.l., works. 100 lbs. 2.00 - 2.85
l.c.l., works. 100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y. unit-ton. 3.50 - —
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chi. unit-ton. 3.50 - —
import, bgs., c.i.f. ports, Aug. shipt. unit-ton. 3.60 - 3.70
soluble (see Albumen, blood)
Bloodroot, bls. lb. .14 - .16
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls, same basis, alkali toner, contracts. lb. .36 - —
open order. lb. .37 - —
Celestial, bbls. lb. .10 - .12
Chinese, bbls., same basis alkali toner, contracts. lb. .36 - —
open order. lb. .37 - —
Cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper phthalocyanin, bbls., f.o.b. works, frt. alld. lb. 3.45 - —
Milori, bbls., same basis alkali toner, contracts. lb. .36 - —
open order. lb. .37 - —
Potash, bbls., same basis alkali toner, contracts. lb. .45 - —
open order. lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts. lb. .36 - —
open order. lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order. lb. .37 - —
Ultramarine, dry, jobbing bbls., works, frt. equaled. lb. .10 - —
regular, 1, bbls., works, frt. equald. lb. .15 - —
2, bbls., same basis. lb. .17 - —
3, bbls., same basis. lb. .18 - —
4, bbls., same basis. lb. .19 - —
5, bbls., same basis. lb. .22 - —
6, cobalt, A, same basis. lb. .26 - —
B, bbls., same basis. lb. .23 - —
C, bbls., same basis. lb. .22 - —
D, bbls., same basis. lb. .21 - —
7, A, bbls., same basis. lb. .22 - —
B, bbls., same basis. lb. .21 - —
special, 1, bbls., same basis lb. .18 - —
2, bbls., same basis. lb. .19 - —
3, bbls., same basis. lb. .21 - —
4, bbls., same basis. lb. .22 - —
5, bbls., same basis. lb. .24 - —
6, bbls., same basis. lb. .26 - —
pulp, 1, bbls., same basis N lb. .26 - —
2, bbls., same basis. lb. .24 - —
3, bbls., same basis. lb. .22 - —
4, bbls., same basis. lb. .19 - —
Ultramarine, blue, dlvd, ex whse, is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner. lb. 1.85 - —
Blue dyes are listed under Dyes
Bluefag root, bls. lb. .15 - .16
Blue mass, USP., cns., kgs. lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works. 100 lbs. 5.15 - —
16-25 bbls., same basis. 100 lbs. 5.40 - —
6-15 bbls., same basis. 100 lbs. 5.50 - —
3-5 bbls., same basis. 100 lbs. 5.75 - —
1-2 bbls., same basis. 100 lbs. 5.90 - —
monohydrated, dms., c.l. dealers. lb. .10 - —
l.c.l., dealers. lb. .11 - —
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago. ton. 28.00 -30.00
c.i.f., Atlantic ports. ton. 36.00 - —
import, bgs., c.i.f. ports. ton. 35.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago. ton. 24.00 -25.00
import, 100-lb. bgs., c.i.f. ports, shipt. ton. 27.50 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago. ton. 22.00 -23.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports. ton. 24.50 - —
Borage flowers, bls. lb. .21 - .23
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd. ton. 58.00 - —
l.c.l., ex whse. ton. 67.00 -72.00
sks., contracts, 80 tons min., dlvd. ton. 48.00 - —
l.c.l., ex whse. ton. 57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd. ton. 52.00 - —
l.c.l., ex whse. ton. 61.00 -66.00
sks., contracts, 80 tons min., dlvd. ton. 42.00 - —
l.c.l., ex whse. ton. 51.00 -56.00
powd., bbls., contracts, 80 tons min., dlvd. ton. 57.00 - —
l.c.l., ex whse. ton. 66.00 -71.00
sks., contracts, 80 tons min., dlvd. ton. 47.00 - —
l.c.l., ex whse. ton. 56.00 -61.00
USP., $15 per ton higher.


• Recommended for highest quality synthetic enamels

NEO-SPECTRA
MARK II

A high-color carbon black with blue undertone

Why worry with dispersion problems? Neo Spectra Mark II exhibits ease and permanence of dispersion unequaled by any Carbon Black of comparable jetness. Gloss retention, durability, and above all stability of viscosity are enhanced.

BINNEY & SMITH CO.
Specialists in Carbon Black, Bone Black and Oxides of Iron
41 East 42nd St. New York, N. Y.
COLUMBIAN CARBON CO.

Bordeaux mixture, dms., c.l., dealers East of and inc. N. D., S. D., Neb., Kan., Okla., Texas..lb. .10 - —
consumer, dms., same basis, lb. .10½- —
l.c.l., dealers, dms., same basis..lb. .10½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.

Borneol, bots.....lb. 1.75 - 2.00
cns .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .18
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .12¼- —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points.....lb. .12¼- —
2, bbls., same basis.....lb. .11¼- —
3, bbls., same basis.....lb. .10¼- —
4, bbls., same basis.....lb. .08¾- —
5, bbls., same basis.....lb. .08¾- —
6, bbls., same basis.....lb. .08¼- —
7, bbls., same basis.....lb. .08 - —
8, bbls., same basis.....lb. .07¾- —
9, bbls., same basis.....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06¾- —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06 - —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, 1, bbls., f.o.b. N. Y. or works.....lb. .12½- —
2, bbls., same basis.....lb. .10¾- —
3, bbls., same basis.....lb. .10¼- —
4, bbls., same basis.....lb. .09¼- —
5, bbls., same basis.....lb. .08¾- —
6, bbls., same basis.....lb. .08¼- —
7, bbls., same basis.....lb. .07½- —
8, bbls., same basis.....lb. .07 - —
9, bbls., same basis.....lb. .06½- —
10, bbls., same basis....lb. .05¾- —
11, bbls., same basis....lb. .04¾- —
Umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock Portland, San Francisco, Seattle..lb. .04¾- —
ex whse, Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .58 - .60
Buckthorn bark, true, bls.....lb. .04 - .05
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .09½- .10
Burgundy pitch, dom., bbls., c.l., works..lb. .05¼- —
l.c.l., dlvd. E.....lb. .06¼- —
import., stands.....lb. .11½- .12½
Butanes, coml., 16-32°, tanks, group 3..gal. .02¼- .02¾
Butternut bark, bls.....lb. .06 - .06½
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10¼- —
tanks, contract, frt. alld.lb. .09 - —
Butyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms.....lb. .07 - —
Alcohol (see Alcohol).
Aldehyde, dms., l.c.l. .....lb. .17½- —
Carbinol (see Carbinol).
Lactate, dms.....lb. .22½- —
Propionate dms., dlvd.....lb. .17 - —
Stearate, dms.....lb. .26 - —
Butyric, ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

## C

Cadmium bromide, bots., jars.lb. 1.61 - 1.80
Iodide, bots.....lb. 3.77 - 3 -
jars .....lb. 3.65 -
Lithopone (see Yellow).
Cadmium metal, cs.....lb. 1.20 Nom.
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100 lb. dms., 10,000 lbs. or more..lb. 2.05 - -
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.15 - —
100 lbs.....lb. 2.25 - —
25 lb. dms. 10,000 lbs., or more. lb. 2.08 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.18 - —
100 lbs.....lb. 2.28 - —
25 lbs.....lb. 2.40 - —
10-lb. cns., 10,000 lbs., or more. lb. 2.10 - —
2,000 lbs., or more.....lb. 2.15 - —
1,000 lbs., or more.....lb. 2.20 - —
100 lbs.....lb. 2.30 - —
less than 100 lbs.....lb. 2.45 - 2.60
5 lb. cns., 25 lbs., or more. lb. 2.40 - —
less than 25 lbs.....lb. 2.55 - 2.70
Citrated, cns.....lb. 1.70 - 1.75
Hydrobromide, bots.....lb. 4.82 - 4.87
Calabar beans, bgs.....lb. .15 - .16
Calamus root, bleached, cs....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., dlvd. ....100 lbs. 2.25 - —
Arsenate, dms., c.l., dealers, North and West..lb. .06¾ —
l.c.l., dealers.....lb. .07¼- —
southern cotton state, dealers, dms., c.l..lb. .06½- —
lb. .06½- —
l.c.l., dealers.....lb. .07 - —
Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, jar.....lb. .70 - .75

Calcium carbide, dms.....lb. .05 - .06
Carbonate (see Chalk and Whiting)
Chloride, flake, dom., 77-88% bgs., dms., c.l., dlvd. ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000 lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.85
Lactate, USP, bbls., 200 lbs.lb. .25 - —
Nitrate, bgs., to fert. mfrs., ex-vessel..ton.26.10 - —
Palmitate, bbls.....lb. .22 - .28
Phosphate, dibasic, precip., 38-42% $P_2O_5$ bgs., c.l.f. Atlantic ports, shipt. unit-ton. .76 - —
tribasic, precip., c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton. lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
smaller lots.....lb. .21 - —
Sulphate (see Gypsum)

Calcium sulphide, 75%, CaS (minus 100 mesh), c.l., works ton.52.00 - —
l.c.l. works.....ton.56.00 - —
83/85 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works, 100 lbs..lb. .85 - —
smaller lots.....lb. 1.00 - —
Sulphocarbolate, bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .43 - .45
Calomel, bbls., fib., dms., kgs., lb. 1.59 - 1.60
Camphor, natural, powd., cs..lb. .55 - .56
slabs, cs.....lb. .55 - .56
tablets, tins.....lb. .60 - .61
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs..lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
tablets, imp.,cs., 2,000 lbs.lb. .54 - —
500 lbs.....lb. .55 - —
100 lbs.....lb. .56 - —
Monobromate, bxs., kgs.....lb. 1.60 - 1.65
Canada balsam (see Fir balsam)
Canary seed, Argentine, bgs..lb. .06 - .06½
Morocco, bgs.....lb. .06½ Nom.
Turkish, bgs.....lb. .06¼- .06¾
Canella alba bark, bls.....lb. .37 - .38
Cannabis herb, bls.....lb. .18 - .20
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .90 - .95
Russian, cs.....lb. 1.25 - 1.30
powd., bxs.....lb. 1.60 - 1.65
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .07½- .07¾
Carbazole, 70-80%, dms., works.lb. .80 - —
90%, dms., works.....lb. .89 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.. lb. .85 - —

## Bordeaux Mixt.—Carbon Tet.

Carbazole, 98.5-99%, dms., ton lots, works..lb. .75 - —
smaller quantities, works.. lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .80 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb .84 - —
tanks, works.....lb .42 - —
Methylpropyl, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb .05¾- —
5 gal. dms., c.l., same basis. lb. .07 - —
l.c.l., same basis.....lb. .04¼-
tanks, same basis.....lb. .04¼-
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¼- —
l.c.l. same basis.....lb. .05¾- —
10-gal. dms., c.l., (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 -

"FORMULA K" LITHOPONE EXTERIOR PAINT

PROPERLY formulated lithopone exterior paints exhibit the best combination of durability and tint retention so far developed in exterior finishes.

Paints formulated to give freer chalking naturally show greater resistance to checking and cracking failure, but their tint retention is poorer.

Paints formulated to give minimum chalking collect and hold dirt, resist fading somewhat better, but are susceptible to disagreeable checking and cracking failure.

"Ponolith" LR in "Formula K" has demonstrated its value to many paint makers. You, too, can take advantage of this tried and proved method of producing excellent exterior paints.

"Ponolith" LR should be a standard item in your pigment stock. It is an all-utility lithopone suitable for many of your formulas. It has medium consistency, great whitening power in dark vehicles for air dry or baked finishes, fine texture and is easy to grind.

Our technical representatives will be glad to assist in solving your problems on either white pigments or colors.

WHITE PIGMENTS AND KREBS PIGMENTS CHEMICAL DRY COLORS

KREBS PIGMENT & COLOR CORP. . . . 1007 Market Street, Wilmington, Del.

## Carbon Tet.—Cream Tartar

Carbon tetrachloride, tanks, same basis..lb. .05 - —
**Fire extinguisher liquid, 2c. lb. higher.**
**Cardamom, bleached, cs.....lb. 1.60 - 1.90**
decorticated cs.....lb. 1.45 - 1.55
green, bgs.....lb. .95 - 1.00
**Carvol, bots.....lb. 4.00 - 4.25**
**Cascara sagrada bark, bulk...lb. .14½- .15**
**Case-hardening mixture, 45%, gran., dms., l.c.l..lb. .11⅞- —**
**lump, dms., l.c.l.....lb. .10⅝- —**
**60%, lump, dms., l.c.l.....lb. .09 - —**
**Casein, com., 20-30 mesh, bgs., c.l., dlvd..lb. .13 - .14**
5 tons, works.....lb. .14½- —
smaller lots, works.....lb. .15 - —
80-100 mesh, bgs., c.l., dlvd., lb. .13½- .14½
5 tons, works.....lb. .15 - —
smaller lots, works.....lb. .15½- —
**Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .18 - —**
**80-100 mesh, bgs., c.l., duty pd..lb. .18½- —**
**French, 30 mesh, bgs., c.l., duty pd..lb. .17 - .18**
Cassia, Batavia, 1, bgs.....lb. .14⅜- .14⅞
3, bls.....lb. .07¼- .07⅝
**short stick, bls.....lb. .12 - .12½**
China, rolls, select, cs.....lb. .05¾- .06¼
broken, extra bls.....lb. .04¼- .04½
**Saigon, bls.....lb. .15½- .16**
Cassia buds, cs.....lb. .13¼- .13½
**Cassia fistula, bskts.....lb. .11 - .12**
**Castile soap, white, bars, cs., 40 lbs.11.75 -12.50**
**powd., bbls.....lb. .28 - .35**
**Castoreum, nat., cns.....lb.15.00 -18.00**
**synth., bots.....lb.19.00 - —**
**Castor oil (see Oil, castor).**
**Pomace, com., 5½% ammon., bgs., c.l., works..ton.25.00 - —**
import, bgs., c.i.f., ports, shipment..ton. No prices.
**Catnep leaves, bls.....lb. .18 - .19**
Celery seed, French, bgs.....lb. .18 - .18½
Indian, bgs.....lb. .15½- .15¾
**Celluloid scrap (see Pyroxylin scrap).**
Cellulose acetate, flake, cs., works..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
10⁄ lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Cement, white, bbls. (4 bags), 5 tons, dlvd. N. Y..bbl. 6.50 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .28 - —
kgs., works.....lb. .30 - —
Chalk precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .20 - .21
**Roman, bls.....lb. .26 - .28**
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.30.80 - —
Ill., (except river points), Minn., Neb., Wis. .....ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex. ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn.....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works, lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 9.50 -15.50
bulk, c.l., works...ton. 6.50 - —
99.75% 200 mesh, bgs., c.l., works..ton. 8.00 - —
l.c.l., works.....ton. 9.00 -15.00
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works ton. 9.00 - —
paper bgs., c.l., works, ton.12.00 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse.....ton.37.50 - —
**Chloral hydrate, bots., 1,000 lbs., lb. .83 - .**
**500 lbs.....lb. .86 - .95**
**100 lbs.....lb. .88 - .97**
**25 lbs.....lb. .90 - .99**
**1-10 lbs.....lb. .95 - 1.02**
**dms., 1,000 lbs.....lb. .80 - —**
**500 lbs.....lb. .83 - —**
**100 lbs.....lb. .85 - —**
**Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05¼- —**
contracts, dlvd., N.Y...lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald.100 lbs. 2.30 - —
2, works, frt. equald.... 100 lbs. 2.55 - —
1, works, frt. equald.. 100 lbs. 3.00 - —
Chloroacetophenone, tins, works..lb. 3.00 - 3.50
Chloroform, tech., 650-lbs. drums, lb. .20 - —
100-lbs. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml., 185-lb. cyls., works, frt. equald..lb. .80 - —
5-lb. cyls., same basis.....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cr, bbls.....lb. .05 - .08
Cake, bulk, c.l., works....ton.11.00 -12.00
Green (see Green, chrome)
Oxide (see Green, chrome oxide)
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
**Chrysarobin, cns.....lb. 3.25 - 3.50**
**Cinchona bark, chips, bgs.....lb. .20 - .22**
**high test, bgs.....lb. .45 - .50**
**quills, broken, bgs.....lb. .20 - .22**
**long, cs.....lb. .55 - .60**
**short, bgs.....lb. .50 - .55**
**Ecuador, tubes.....lb. .18 - .20**
**Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —**
**large, cns.....100 ozs..oz. .87 - —**
**powd., cns.....100 ozs..oz. .80 - —**
**sulphate, N.F., cns..100 ozs..oz. .47 - —**
**Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —**
**large, cns.....100 ozs..oz. .58 - —**
**powd., cns.....100 ozs..oz. .50 - —**
**Sulphate, N.F., cns..100 ozs..oz. .34 - —**
**Cinchophen, USP., boxes, 5 lbs. lb. 3.75 - —**
**bots, 1 lb.....lb. 3.27 - —**
**dms., 100 lbs.....lb. 3.00 - —**
Cinnamon, Ceylon, 2 bls.....lb. .18 - .18½
3, bls.....lb. .17½- .18
Cinnamon, Ceylon, 2 bls.....lb. .18¼- .18¾
3, bls.....lb. .18 - .18½
Citral, bots., cns.....lb. 1.70 - 3.15
Citrine ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. 1.00 - 1.50
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .17¼- .17½
Zanzibar, bls.....lb. .18¼- .18⅝
Clover tops, bls.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.25 - —
l.c.l., works.....bbl. 8.00 - —
tanks, works.....gal. .07 - .09
refd., bbls., c.l., works...bbl. 7.75 - —
l.c.l., works.....bbl. 8.50 - —
tanks, works.....gal. .08 - .10
water-gas, crude, dms., c.l., works..dm. 6.75 - —
l.c.l., works.....dm. 7.50 - —
tanks, works.....gal. .07 - .08
refd., dms., c.l., works..dm. 7.25 - —
l.c.l., works.....dm. 8.00 - —
tanks, works.....gal. .06 - .09
**Cobalt acetate, bbls., dlvd.....lb. .58 - .60**
**kgs., dlvd.....lb. .65 - —**
**Carbonate, tech., bbls., dlvd.lb. 1.50 - —**
**Chloride, dms., works.....lb. .67¾- .72¾**
**Hydrate, bbls.....lb. 1.60 - —**
**Linoleate, paste, 6%, dms...lb. .29 - —**
**solid, 8½%, bbls.....lb. .31 - —**
**Oleate, bbls.....lb. .26 - —**
Oxide, black, kgs.....lb. 1.67 - —
Cobalt, resinate, fused, A, bbls.lb. .13 Nom.
1%, bbls.....lb. .12½ Nom.
2%, bbls.....lb. .13½- —
3½%, bbls.....lb. .16½- —
precip., dms., dlvd.....lb. .31½- —
Sulphate, dms.....lb. .59 - —
**Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —**
**Cochineal, gray, bgs.....lb. .32 - .36**
**Teneriffe, silver, bgs.....lb. .33 - .37**
Cocillana bark, bgs.....lb. .19 - .20
Cocoa butter, lumps, bgs., c.l..lb. .17½- .18
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver)
Cohosh, black, root, bls.....lb. .07½- .08
Blue, root, bls.....lb. .06½- .07
Colchicine, bots., 4 ozs.....oz.25.00 - —
single ozs.....oz.26.00 - —
Colchicum seed, bgs.....lb. .23 - .25
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .50 - .55
Colombo root, bls.....lb. .75 Nom.
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .18 - .19
Copaiba, balsam, Para, cns....lb. .36 - .38
S.A., USP, cns.....lb. .38 - .40
Copper acetate, normal, bbls., c.l., works..lb. .23 - —
l.c.l., bbls.....lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .18 - —
18-20%, bbls.....lb. .10½- .12½
Chloride, bbls.....lb. .15 - .17
Cyanide, tech., bbls.....lb. .37 - .39
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .14 - —
Nitrate, cryst., bbls.....lb. .15 - —
Oleate, precip., bbls.....lb. .20 - —
Copper oxide, black, bbls., tons, works..lb. No prices
smaller lots, works ..lb No prices
red, com'l, 50-75%, kgs., c.l., f.o.b. N.Y..lb. No prices
l.c.l., f.o.b. N. Y....lb. No prices
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
**Sulphate (see Blue vitriol)**
**Copperas, cryst., gran., bgs., c.l., works..ton.14.00 -15.00**
**bbls., c.l., works.....ton.16.00 -17.00**
l.c.l., 25 or over, works.... **100 lbs. 1.35 - —**
**5-24, works.....100 lbs. 1.50 - —**
**1-4, works.....100 lbs. 2.00 - —**
**bulk, c.l., works.....ton.12.00 -13.00**
Copra, bgs., Pacific Coast....lb. .0360- .0365
Coriander seed, Morocco, bgs..lb. .04¾- .05¼
**bleached, bgs.....lb. .07 - .07½**
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 4.84 - —
ex whse.....100 lbs. 4.44 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.36 - —
43°, bbls., c.l.....100 lbs. 4.41 - —
**Cornsilk, bls.....lb. .07½- .08**
Corrosive sublimate, cryst., dms., lb. 1.37 - 1.38
gran., powd., dms.....lb. 1.22 - 1.23
Cottonroot bark, bls.....lb. .10½- .11
**Cottonseed hull ash, 25-30% pot-ash bulk, dlvd..unit-ton. 1.06 - —**
**Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —**
**5-lb. cns.....lb. 3.10 - —**
**1-lb. cns.....lb. 3.25 - —**
**1-oz. cns.....lb. 3.60 - —**
**less than 5 lbs., cns.....lb. 4.15 - 4.65**
Cramp bark, genuine, bls.....lb. .19 - .22
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .16 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .17¾- —


FASTER SCHEDULES
• SMOOTHER SAILING

| | | | |
|---|---|---|---|
| Cream of tartar, gran., or powd., smaller lots, bbls | lb. | .18¼ | - — |
| kgs. | lb. | .18¾ | - — |
| Creosote, wood, beech., bots. | lb. | .70 | - .75 |
| hard, USP, bots. | lb. | .45 | - .47 |
| Pine, dms. | gal. | .28 | - — |
| Carbonate, bots., cbys. | lb. | 1.40 | - 1.75 |
| Oil, crude, tanks, works | gal. | .13 | - .13½ |
| Coaltar solution, tanks, works | gal. | .113 | - .126 |
| refd., bbls., c.l., works | gal. | .22½ | - — |
| l.c.l., works | gal. | .25 | - — |
| tanks, works | gal. | .18 | - .18½ |
| Cresol, USP, dms., c.l., works. | lb. | .12 | - — |
| l.c.l., same basis | lb. | .12½ | - — |
| Crotonaldehyde, tech., dms., c.l., works. | lb. | .26 | - — |
| l.c.l., works | lb. | .30 | - — |
| Cube root, powd., 5% rotenone, bbls., 30,000 lbs., frt. equaled., with Newark, Balto., and West Coast. | lb. | .27 | - — |
| 10,000 lbs. and over, same basis. | lb. | .28 | - — |
| 2,000 lbs. and over, same basis. | lb. | .29 | - — |
| 1,000 lbs. and over, same basis. | lb. | .31 | - - |
| 200 lbs. and over, same basis. | lb. | .33 | - — |
| 4% rotenone prices, 5c. per lb. less. | | | |
| coarse grd., 4% & 5% rotenone, prices 1c. less than powd. | | | |
| 5% rotenone, 6c. less than powd. | | | |
| Cubeb berries, XX, bgs. | lb. | .30 | - .31 |
| powd., cs. | lb. | .34 | - .35 |
| Culver's root, bls. | lb. | .17 | - .19 |
| Cumin seed, Algerian, bgs. | lb. | .08 | - .08½ |
| Indian, bgs. | lb. | .08¼ | Nom. |
| Morocco, bgs. | lb. | .08¼ | - .08¾ |
| Cutch, Philippine, bls., c.l. | lb. | .04 | - — |
| Cyanamide, 21-22% N., dom., pulv., bgs., dlvd., contrs., $NH_3$ unit. | | 1.15 | - — |
| Cyanide-chloride mixture, 75%, gran., dms. | lb. | .16 | - .17 |
| lump, dms | lb. | .14 | - .15 |

## D

| | | | |
|---|---|---|---|
| Damiana leaves, bls. | lb. | .17 | - .18 |
| Dandelion root, German, bls. | lb. | .20 | - .21 |
| Deertongue leaves, bls. | lb. | .25 | - .30 |
| July del'vy., bls. | lb. | .15 | - — |
| Degras, common, dom., bbls. | lb. | .08¼ | Nom. |
| English, bbls. | lb. | .08¼ | Nom. |
| neutral, dom., bbls. | lb. | .12¾ | Nom. |
| English, bbls. | lb. | .12¾ | Nom. |
| Derris root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipment, f. o. b. N. Y. C., or Balto., frt. prepaid to West Coast ports. | lb. | .39 | - — |
| 30,000 lbs., contract or orders, basis. | lb. | .39½ | - — |
| 10,000 lbs., same basis. | lb. | .40 | - — |
| 2,000 lbs., same basis. | lb. | .41 | - — |
| 1 bbl., same basis. | lb. | .44 | - — |
| less than 200 lbs., same basis. | lb. | .47 | - — |
| import contracts, 30,000 lbs. | lb. | .21½ | - — |
| 10,000 lbs. | lb. | .22 | - — |
| 4% rotenone prices 6c. per lb. less. | | | |
| Dextrin, British, gum, c.l., f.o.b. Chicago | 100 lbs. | 5.15 | - — |
| l.c.l., f.o.b. Chicago | 100 lbs. | 5.25 | - — |
| Corn, canary, bgs., c.l., f.o.b. Chicago | 100 lbs. | 4.80 | - — |
| l.c.l., f.o.b. Chicago | 100 lbs. | 5.00 | - — |
| Dextrin, corn, white, bgs., c.l., f.o.b. Chicago | 100 lbs. | 4.85 | - — |
| l.c.l., f.o.b. Chicago | 100 lbs. | 5.05 | - — |
| Potato, import., bgs. | lb. | .07¾ | - .08¾ |
| Tapioca, bgs., ex whse. | lb. | .08 | - Nom. |
| Diamyl ether, dms., c.l., works. | lb. | .085 | - — |
| l.c.l., works | lb. | .092 | - — |
| tanks, works | lb. | .075 | - — |
| Oxalate, dms., l.c.l., works. | lb. | .80 | - — |
| Phthalate, dms., c.l., dlvd. | lb. | .20½ | - — |
| l.c.l., dlvd. | lb. | .21 | - — |
| tanks, dlvd. | lb. | .19½ | - — |
| Sulphide, dms., l.c.l., works. | lb. | 1.10 | - — |
| Diamylamine, dms., c.l., works., | lb. | .47 | - — |
| l.c.l., works | lb. | .50 | - — |
| Diamylene, dms., c.l., works. | lb. | .095 | - — |
| l.c.l., works | lb. | .102 | - — |
| tanks, works | lb. | .085 | - — |
| Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, | ton. | 22.00 | -85.00 |
| l.c.l., ex whse. | ton. | 45.00 | -150.00 |
| import, bgs., c.l., c.l.f. | ton. | 30.00 | - — |
| Dibutyl phthalate, dms. | lb. | .21 | - — |
| Tartrate, dom., dms. | lb. | .35 | - .40 |
| import., dms. | lb. | .80 | - .85 |
| Dicalcium phosphate (see Calcium phosphate, dibasic). | | | |
| Dichloroethyl ether, dms., c.l. works. | lb. | .15 | - — |
| l.c.l., works | lb. | .16 | - — |
| tanks, works | lb. | .14 | - — |
| Diethanolamine, dms., c.l., works. | lb. | .26 | - — |
| l.c.l., works | lb. | .27 | - — |
| tanks, works | lb. | .25 | - — |
| Diethyl carbonate, coml., dms. | lb. | .31¾ | - — |
| refd., 99%, dms. | lb. | .50 | - — |
| Carbinol (see Carbinol) | | | |
| Phthalate, dms., c.l. | lb. | .19 | - — |
| l.c.l. | lb. | .19½ | - — |
| tanks | lb. | .18 | - — |

## Cream Tartar—Dyes

| | | | |
|---|---|---|---|
| Diethylanilin, dms. | lb. | .50 | - — |
| Diethyleneglycol, dms., c.l., works, | lb. | .21 | - — |
| l.c.l., works | lb. | .22 | - .23 |
| Monobutylether, dms., works. | lb. | .26 | - .27 |
| Monoethylether, dms., c.l., works. | lb. | .16 | - — |
| l.c.l., works | lb. | .17 | - — |
| tanks, works | lb. | .15 | - — |
| Diethyl sulphate, dms., c.l., works. | lb. | .13 | - — |
| l.c.l., works | lb. | .14 | - — |
| tanks | lb. | .12 | - — |
| Digitalis leaves, dms. | lb. | .27 | - .30 |
| Digylcol oleate, light, bbls. | lb. | .21 | - .24 |
| Dillseed, recleaned, bgs. | lb. | .06¾ | - .07¼ |
| Dimethyl phthalate, dms. | lb. | .21 | - — |
| Dimethylanilin, dms. | lb. | .26 | - .27 |
| Dimethylethyl carbinol (see Carbinol) | | | |
| Dinitrobenzene, bbls. | lb. | .16 | - .18 |
| Dinitrochlorobenzene, bbls. | lb. | .16½ | - .17¼ |
| Dinitronaphtiralene, kgs. | lb. | .35 | - .38 |
| Dinitrophenol, bbls. | lb. | .23 | - .24 |
| Dinitrotoluene, dms. | lb. | .14½ | - .15½ |
| oily, dms. | lb. | .09 | - — |
| Diorthotoluylguanidin, dms, 2,000 lbs. or over, dlvd. | lb. | .44 | - — |
| 600-1,950 lbs., dlvd. | lb. | .46 | - — |
| 150-450 lbs., dlvd. | lb. | .47 | - — |
| Dip oil (see Tal acid oil) | | | |
| Dipentene, dms. | gal. | .47 | - .50 |
| tanks | gal. | .41 | - — |
| Diphenyl, bbls, c.l., works. | lb. | .15 | - — |
| l.c.l., works. | lb. | .20 | - .25 |
| Diphenyl, oxide, bots. | lb. | .70 | - 1.00 |
| Diphenylamine, bbls. | lb. | .81 | Nom. |
| Diphenylguanidin, dms., 2,000 lbs. or over, dlvd. | lb. | .35 | - — |
| 600-1,950 lbs., dlvd. | lb. | .36 | - — |
| 150-450 lbs., dlvd. | lb. | .37 | - — |
| Diphenylmethane, bots. | lb. | 1.40 | - 2.00 |
| Disodium phosphate (see Soda phosphate, dibasic) | | | |
| Divi-divi, bgs., shipment | ton. | 34.00 | Nom. |
| Doggrass root, cut, bls. | lb. | .12 | - .13 |
| Dogwood bark, dom., bls. | lb. | .07 | - .08 |
| Jamaica, bls. | lb. | .07 | - .08 |
| Dover's powder, USP, cns. | lb. | 2.75 | - 2.80 |
| Dragon's blood, mass, cs. | lb. | .85 | - .85 |
| reeds, thin, cs. | lb. | .90 | - 1.00 |
| Duboisine sulphate, vls. | oz. | 34.50 | -35.00 |

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—

| | | | |
|---|---|---|---|
| 36 Chrome yellow 9G | lb. | .61 | - .70 |
| 40 Chrome yellow R | lb. | .50 | - 1.00 |
| 53 Victoria violet | lb. | .80 | - 1.00 |
| 165 Lake red C | lb. | 1.00 | - — |
| 176 Fast red A | lb. | .60 | - .75 |
| 180 Fast red VR | lb. | 1.50 | - 1.65 |
| 189 Lake red R, paste | lb. | .85 | - .90 |
| 189 Lake red R, powdered | lb. | 3.00 | - 3.10 |
| 202 Chrome blue black U | lb. | .32 | - .40 |
| 204 Chrome black A | lb. | 1.75 | - 2.00 |
| 208 Fast red blue R | lb. | .75 | - 2.00 |
| 216 Chrome red B | lb. | 1.75 | - 2.00 |
| 262 Cloth red 2B | lb. | .60 | - .80 |
| 289 Fast cyanin 5R | lb. | .90 | - 1.00 |
| 299 Chrome black F | lb. | .60 | - .65 |
| 307 Fast cyanin black B | lb. | .80 | - .85 |
| 326 Direct cast scarlet | lb. | 2.00 | - 2.25 |
| 364 Paper yellow | lb. | .83 | - .90 |
| 365 Chrysophenin G | lb. | .58 | - .70 |
| 394 Direct violet N | lb. | 1.25 | - 1.30 |
| 382 Direct scarlet B | lb. | 1.50 | - 1.75 |
| 387 Direct violet B | lb. | 1.00 | - 1.30 |
| 401 Developed black BHN | lb. | .50 | - .75 |
| 406 Direct blue 2B | lb. | .25 | - .30 |
| 415 Direct orange R | lb. | .60 | - .70 |
| 419 Direct fast red F | lb. | .75 | - .85 |
| 420 Direct brown M | lb. | 1.00 | - 1.10 |
| 448 Benzo purpurin 4B | lb. | .40 | - .42½ |
| 495 Benzo purpurin 10B | lb. | .40 | - .50 |
| 502 Direct azurin G | lb. | .75 | - .80 |
| 512 Direct blue RD | lb. | .80 | - 1.00 |
| 518 Direct pure blue 6B | lb. | 1.10 | - 1.25 |
| 520 Direct pure blue | lb. | .50 | - 1.00 |
| 529 Direct fast black FF | lb. | .55 | - 1.00 |
| 581 Direct black EW | lb. | .25 | - .50 |
| 582 Direct black RX | lb. | .35 | - .45 |
| 593 Direct green B | lb. | .75 | - .80 |
| 594 Direct green G | lb. | 1.00 | - 1.05 |
| 596 Direct brown 3GO | lb. | .35 | - 1.00 |
| 620 Direct yellow R | lb. | 1.25 | - 1.50 |
| 698 Acid violet | lb. | 1.00 | - 3.00 |
| 812 Primulin | lb. | .50 | - .52 |
| 814 Direct fast yellow | lb. | 2.00 | - 2.25 |
| 845 Nigrosin(water soluble) | lb. | .35 | - .50 |
| 1177 Indigo, 20 p.c., paste | lb. | .15 | - .18 |
| Benzo fast black L | lb. | .90 | - 1.00 |
| Sulphur black | lb. | .20 | - .25 |
| Sulphur blue | lb. | .40 | - 1.00 |
| Sulphur brown | lb. | .25 | - .50 |
| Sulphur maroon | lb. | .40 | - — |
| Sulphur olive | lb. | .25 | - .54 |
| Sulphur tan | lb. | .30 | - .50 |
| Sulphur yellow | lb. | .30 | - .50 |
| Zambesi black | lb. | .75 | - .80 |

Dyes, coaltar, for stains (numbers are those of the Colour Index scale):—

Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)

| | | | |
|---|---|---|---|
| Black:— | | | |
| 865 Nigrosin derivatives | lb. | .42 | - — |
| Blue:— | | | |
| 1075 Alizarin astrol base | lb. | 15.00 | - — |
| 1078 Alizarin cyanin green base. | lb. | 6.00 | - — |
| 729 Victoria blue | lb. | .75 | - — |
| Browns:— | | | |
| Brown | lb. | 1.15 | - — |
| Green:— | | | |
| 1078 Alizarin cyanin green. | lb. | 5.00 | - — |
| .... Green | lb. | .75 | - — |
| Orange:— | | | |
| 24 Sudan I | lb. | .70 | - — |
| .... Orange, red shade. | lb. | .75 | - — |
| Red:— | | | |
| 73 Sudan II | lb. | 1.05 | - — |
| 258 Sudan IV | lb. | .95 | - — |
| 749 Rhodamine B (oil pink) | lb. | 2.50 | - — |
| 1080 Anthroquinone violet base. | lb. | 6.00 | - — |
| 680 Oil violet | lb. | .50 | - — |
| Yellow:— | | | |
| 15 Amidoazobenzene yellow. | lb. | .90 | - — |
| 17 Amidoazotoluene yellow. | lb. | .75 | - — |
| 61 Yellow OB | lb. | 1.40 | - — |

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

| | | | |
|---|---|---|---|
| Black:— | | | |
| 864 Nigrosin | lb. | .40 | - — |
| Blue:— | | | |
| 729 Victoria blue | lb. | 2.55 | - — |
| 860 Indulin | lb. | .70 | - — |
| Brown:— | | | |
| 331 Bismarck brown | lb. | 1.50 | - — |
| Green:— | | | |
| 637 Malachite green base. | lb. | 2.00 | - — |
| Orange:— | | | |
| 20 Chrysoidin G | lb. | .95 | - — |
| 21 Chrysoidin R | lb. | .95 | - — |
| Red:— | | | |
| 677 Fuchsin, magenta base. | lb. | 7.25 | - — |
| 749 Rhodamine B | lb. | 4.75 | - — |
| Yellow:— | | | |
| 67 Amidoazotoluene yellow. | lb. | .75 | - — |
| 655 Auramine | lb. | 2.00 | - — |
| 800 Chinolin yellow SS. | lb. | 3.00 | - — |


# ALL ALONG THE WAY

With new products and processes industry continually steps up schedules and smooths out production. To this progress Cyanamid makes contribution after contribution. For example, with new resins developed by Cyanamid, paint and varnish manufacturers are setting new standards of quality, durability, drying speeds and water resistance. Printing machine speeds are increased and clearer impressions achieved through the use of better ink vehicles made possible by these Cyanamid products. The leather, paper, rubber and other vitally important industries are making parallel improvements as a result of Cyanamid research and product development.

Fortunate in having the resources, the technical facilities and the science-minded man-power to launch and carry through large scale research undertakings, Cyanamid is making many industries aware of the value of its services. Wherever chemicals are used the name Cyanamid is assuming more and more importance. If chemicals are required in your processes you will find Cyanamid ready, not only with the right product of the right quality, but with a keen desire to cooperate with you in the development of methods that bring profits from faster schedules and smoother production.

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**SPECIAL FLANNEL SOFTENER E** is a specially balanced mixture of sulphonated tallow with higher titre waxes that is finding increasing use in the textile industry. It is recommended as an efficient and economical softener for finishes that call for a fuller hand and stiffer feel than can be obtained with regular cream softener.

**LEATHER MANUFACTURERS** may find many oils lower in price per pound, few lower in price per unit, but *none* producing better results than ASTRULAN*—the lowest cold test oil available and the best oil for high grade shoe and garment leathers. It produces a stain-free, non-greasy, well-nourished leather, uniform in color and shade. Ursulin*-sulphonated.

**AERO* BRAND ESTER GUM,** used in the formulation of paints and printing inks, is not merely rosin neutralized with glycerine. Each grade is a group of complex chemical compounds with specific and uniform characteristics assured by careful selection of raw materials and exact control of manufacturing processes. No. 5 is suggested for extremely pale color. No. 6 is a general utility type. No. 7 has exceptional hardness. Other types are available in comprehensive variety.

**METALLIC SOAPS** in wide variety are offered by Cyanamid for use in the paint, varnish and printing ink industries for flattening agents, for waterproofing and other purposes. The oil and lubricant industry and cosmetic manufacturers are also supplied by Cyanamid with the right products of this type to meet their various needs — Stearates of Aluminum, Calcium, Lead, Magnesium and Zinc; Palmitates of Aluminum and Zinc; Oleates of Aluminum, Calcium, Lead and Zinc.

**PHTHALAMIDE,** $C_6H_4(CO)_2NH$, is offered to the research chemist as a compound inviting further investigation. It is available for prompt delivery in commercial quantities. Lustrous white crystals over 99% pure, Phthalamide melts at 233° C. It is insoluble in water and alcohol, but is slightly soluble in ether.

*Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.*

* Registered U. S. Patent Office

## Dyes—Gasoline

Dyes, coaltar, for stains (numbers are those of the Colour Index scale):—
Violet:—
680 Methyl violet.....lb. 1.00 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray ....lb. 1.50 - —
Blue:—
714 Patent blue A .....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue ....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —

Dyes, coaltar, for stains (numbers are those of the Colour Index scale):—
Red:—
31 Amidonaphthol red G, lb. .42 - —
57 Amidonaphthol red 6B, lb. .68 - —
79 Ponceau R .....lb. .48 - —
88 Fast red B .....lb. 1.05 - —
176 Fast red A .....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchain .....lb. 1.90 - —
749 Rhodamine B .....lb. 3.50 - —
752 Rhodamine 6G .....lb. 4.50 - —
768 Eosin G .....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B....lb. .75 - —
681 Crystal violet C....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow .....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .90 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

## E

Echinacea root, bls.....lb. .30 - .35
Egg albumen (ace Albumen).
Yolk, dom., cs.....lb. .68 Nom.
import, cs.....lb. .56 - .57
Elder flowers, bright, bls.....lb. .19 - .20
dark, bls.....lb. .18 - .19
Elecampane root, bls.....lb. .11 - .12
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs. .....lb. .18 - .19
select, bndls., cs.....lb. .45 Nom.
July del'vy, cs.....lb. .25 - —
Emetine hydrochloride, bots., oz.15.00 -16.00
Ephedra, bls. .....lb. .06 - .07
Ephedrine, tins, 100 ozs. .....oz. 1.00 - —
Hydrochloride, tins, 100 ozs.oz. 1.00 - —
Sulphate, cryst.,tins, 100 ozs.oz. 1.00 - —
powd., tins, 100 ozs.....oz. 1.05 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l. .....lb. 2.10 - —
l.c.l., 5,000 lbs. 1 withdrawal..lb. 2.35 - —
smaller lots .....lb. 2.60 - —
kgs., c.l. .....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots .....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.80 - 1.85
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.29.00 -30.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic, dms., 400 lbs...lb. .09 - —
cns., 35 lbs.....lb. .14 - —
Ethyl (see Ether, sulphuric)
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, dms., c.l., frt. alld. lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
anhyd., dms., c.l., frt. alld.lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
Ethyl, acetoacetate, dms., c.l., works..lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caoroate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .22 - .24
Cinnamate, cns.....lb. 3.40 - 4.25
Crotonate, dms., works.....lb. 1.00 - 1.20
Formate, dms.....lb. .27 - .28
Iodide, bots.....lb. 5.35 - 5.70
Lactate, 55-gal. dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .30 - .34
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose, 501 lbs. and over, works..lb. 1.00 - —
101 lbs., works.....lb. 1.05 - —
smaller lots, works.....lb. 1.15 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms, c.l., works, S. of Rockies, frt. alld..lb. .0545- —
West of Rockies, same basis..lb. .0595- —
l.c.l., dms., works, E. of Rockies, frt. alld..lb. .0644- —
West of Rockies, same basis..lb. .0694- —
Ethyleneglycol, dms., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - .21
tanks .....lb. .16 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works .....lb. .21 - .24
tanks, works .....lb. .19 - —
Ethyleneglycol, monobutylether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Monoethylether acetate, dms., c.l., works..lb. .14 - —
l.c.l., works .....lb. .15 - —
tanks, works .....lb. .13 - —
Monomethylether, dms., c.l., works..lb. .18 - —
l.c.l., works .....lb. .19 - .22
tanks works .....lb. .17 - —
Ethylidinanilin, dms .....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Ethylorthoparatoluenesulphonamide, bbls..lb. .55 - —
Ethylparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .60 - .70
Eucalyptus leaves, bls.....lb. .09 - .10
Eugenol, bgs., cns.....lb. 2.10 - 2.55
Euphorbia, bls.....lb. .06 - .06½

## F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -15.00
glass, 20 mesh, bulk, works.ton.11.00 -12.25
pottery, bulk, Me. works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
India, bags .....lb. .07¼- .07½
German, large, ogs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .04¼- .04½
Ferric sulphate, dms., works.ton.35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works lb. .12½- .13
smaller lots, E. works. lb. .13½- .14
light, cs., 1,000 lbs. or over, works..lb. .14 - .15
smaller lots, E. works.lb. .15 - .16
water white, cs., 1,000 lbs. or over, E. works..lb. .15 - .16
smaller lots, E. works.lb. .16 - .17
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.
Fir balsam, Canada, cns.....gal. 8.75 -13.00
Oregon, bbls.....gal. 1.60 - 1.70
Fish berries, bgs.....lb. .09 - .10
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures unit-ton. 4.00 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton. No prices.
wet, acidulated, 6-7% ammon., 3-4% phosphor, acid, bulk, E. Cst. factories, contracts..unit-ton.3.10 & .50 Nom.
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f., ports, June-Aug. shipt..ton.50.00 - —
nearby arrival....ton.52.50 -53.00
Flake white, bbls., kgs.....lb. .08¾- .09
Flaxseed, French, black, bgs..lb. .10¾- .11
Indian, blonde, bgs.....lb. .10 - .11
Fluorspar, enamel, 96-98%, bgs., ton. No prices.
standard, gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines, ton.20.00 -21.50
import, bulk, Atlantic ports, duty-paid..ton. No prices.
f.o.b. Ill., Ky., mines...ton.21.00 -22.50
powd., 97%, import., bgs., Atlantic ports, duty-paid..ton. No prices.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .13 - .14
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..tons.10.00 - —
import., bgs., c.l., ex dock.ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs., works..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fustic extract, cryst., bbls....lb. .20 - .25
lb. .16 - .18
Fusic extract, cryst., bbls.....lb. .20 - .25
liquid, bbls.....lb. .08½- .09
solid, dms.....lb. .16 - .18

## G

G salt, bbls.....lb. .45 - .48
Galangal root, bls.....lb. .08 - .09
Gall extract, bbls.....lb. .19 - .20
Gambier, common, bgs.....lb. No prices.
plantation, bgs.....lb. .08¾- .09
Cubes, Singapore, bgs.....lb. .10½- —
Extract, bbls.....lb. .08½ Nom.
Gasoline, at refinery:—
Bayonne, US motor, 62-63 octane, tanks..gal. .07 - —
65 octane, tanks.....gal. .07½- —
above 65 octane, tanks.gal. .08 - —
California, 54-58, tanks...gal. .07½- —
Gulf Coast, US motor, bulk, gal. .05¾- .06
60-62, 390 e.p., bulk, export, gal. .06½- .06¼
60-62, 400 e.p., bulk, export, gal. .06 - .06¼
64-66, 375 e.p., bulk, export, gal. .06¼- .06⅜


# *Are you getting all these* Plus Factors *when you buy Containers?*

The assistance you get before the signed order and the service you get afterward are of greater importance than ever in 1937. And Continental's Packaging Service offers *plus factors* for large and small manufacturers, alike, in every industry.

First, you benefit from 32 years of packaging experience gained in many diversified businesses, and there are cans for every product available in many different sizes, shapes and styles.

For products requiring scientific study there are completely equipped research laboratories with large staffs of highly trained technologists.

The Development Department may be able to suggest an entirely new package idea or some simple improvement to help increase sales.

Specialists in package design will be glad to suggest improvements on present designs or create an entirely new arrangement.

And when you place your business with Continental, you can be sure of highest quality cans colorfully lithographed the way you want them. You can be sure of prompt delivery without delay because of Continental's 45 strategically located plants—a factor that will relieve you of worry during times of sectional distress.

Then there are closing machines to meet every need, and an efficient force of closing machine experts available on short notice to assure continuous production.

Today there is a lot more to buying cans than merely checking bids on ordinary type containers. It costs no more to get these plus factors, and they may be the means of increasing the salability of your product. There's a Continental sales office near you, and representatives skilled in packaging to sell will be glad to counsel with you.

Continental Can Company

NEW YORK · CHICAGO · SAN FRANCISCO

Gasoline, at refinery, Louisiana-Arkansas, US motor,
62 octane, tanks..gal. .05¾- .06
63-67 octane, tanks....gal. .06½- .06⅝
68-70 octane, tanks....gal. .06¾- .06⅞
Oklahoma-Texas, US motor,
62 octane and below, tanks..gal. .04¾- .05⅝
63-67 octane, tanks....gal. .05¼- .05⅞
68-70 octane, tanks....gal. .05⅞- .06⅛
60-62, 400 e.p., tanks....gal. .04¾- .05⅝
64-66, 375 e.p., tanks....gal. .05 - .05¼
natural, 12-lb. vapor pres., tanks..gal. .05¼- .05½
14-lb. v.p., tanks.....gal. .05 - —
18-lb. v.p., tanks.....gal. .04⅜- .04½
22-lb. v.p., tanks.....gal. .03⅞- .04
26-70-lb., v.p., tanks..gal. .03⅝- —
Pennsylvania, US motor, below 60 octane, tanks..gal. .05¼- —
60 octane, tanks.....gal. .06⅜- —
52-54, 450 e.p., naphtha, tanks..gal. .04⅞- —
54-56, 400 e.p., strt. run, tanks..gal. .05¼- —
Gelatin, silver, cs.....lb. .50 - .55
Geisemium root, bls.....lb. .12 - .13
Gentian root, bls.....lb. .15 - .16
grd., bbls., bxs.....lb. .17 - .18
powd., bbls., bxs.....lb. .18 - .19
Geraniol, cns., dms.....lb. .75 - 3.00
Geranyl acetate, bots., dms...lb. 1.75 - 2.60
Ginger root, Africa, bgs.....lb. .15 - .15½
Cochin, lemon, bgs.....lb. .15 - .15½
Jamaica, bold, bgs.....lb. .18 - .18½
grinding, bright, bgs.....lb. .15 - .15½
medium, bold, bgs.....lb. .15½- .16
Japanese, bgs.....lb. .16 - .16½
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs.....lb. 4.00 - 5.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs.....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
36/58, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
58/82, bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd.....lb. .16 - —
82/108, bgs., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Midwest..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
60/164,bgs.,c.l.,same basis.lb. .19 - —
l.c.l., same basis.....lb. .19½- —
67/192,bgs.,c.l.,same basis.lb. .20 - —
l.c.l., same basis.....lb. .20½- —
75/222, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - —
83/251,bgs.,c.l.,same basis.lb. .22 - —
l.c.l., same basis.....lb. .23 - —
92/283,bgs.,c.l.,same basis.lb. .23 - —
l.c.l., same basis.....lb. .24 - —
102/315, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
113/347, bgs., c.l., same basis lb. .24½- —
l.c.l., same basis.....lb. .25½- —
125/379, bgs., c.l., same basis lb. .25½- —
l.c.l., same basis.....lb. .26½- —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ¼c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. lb. .23½- .24
dms., extra, c.l.....lb. .21½- —
l.c.l.....lb. .22 - —
dynamite, dms., extra, c.l.....lb. .21½- —
l.c.l.....lb. .22 - —
saponification, basis 88%, dms. returnable, dlvd..lb. .15½- .16
soaplye, basis 80%, dms., returnable, dlvd..lb. .14 - .14½
yellow, distilled, dms., extra, c.l. lb. .23½- —
l.c.l.....lb. .23¾- —
Glycol boriborate, dms.....lb. .26 - —
Phthalate, dms.....lb. .40 - —
Stearate, dms.....lb. .27½- —
Gold, U. S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs....lb. .19 - .19½
Golden seal root, bls.....lb. 3.25 - 3.40
powd., bxs.....lb. 3.40 - 3.45
Grains of paradise, bgs.....lb. .20 - .25
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .08½- .08⅝
white, trcs.....lb. .08⅝- .09⅜
yellow, trcs.....lb. .08¼- .08⅜
Wool (see Adeps lanae and Degras)
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P. color content up 5%, bbls., same basis.lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07⅝- —
17-19%, bbls., same basis.lb. .07⅞- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
Green, chrome, reduced, 34-35%, bbls., same basis..lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
chrome oxide, dom., pure..bbl. .21 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .19 - .20
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P)
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08½- .10
Guaiac resin, cs.....lb. .35 - .40
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib., dms., 25 lbs.lb. 2.20 - —
kgs, 100 lbs.....lb. 2.15 - —
Guarana, powd., cs.....lb. .75 - .80
Gum, aloe (see A)
Ammoniac, tears., cs.....lb. .85 - .90
Gum, arabic, amber sorts, cleaned, bgs..lb. .14½- .15
white, sorts, 1, bgs.....lb. .29 - .30
2, bgs.....lb. .27 - .28
powd., bbls.....lb. .17 - .19
Asafetida (see A)
Asphaltum (see A)
Benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs.....lb. .16 - .17
Camphor (see C)
Chicle, bgs.....lb. .40 - .45
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran...lb. .46 - —
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy, white, bgs., c.l., same basis..lb. .30⅝- —
3, selected pale straw bold, bgs., c.l. same basis..lb. .20 - —
4, pale bold straw, bgs., c.l., same basis..lb. .19¼- —
5, pale straw bold, bgs., c.l., same basis..lb. .16 - —
6, pale amber bold, bgs., c.l., same basis..lb. .14¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .14¾- —
8, light amber bold, bgs., c.l., same basis..lb. .13½- —
9, medium light amber bold, bgs., c.l., same basis..lb. .10¼- —
10, rescraped hard amber bold, bgs., c.l., same basis lb. .10⅞- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .06¼- —
12, selected bold sorts, bgs., c.l., same basis..lb. .07⅝- —
13, dark sorts bold, bgs., c.l., same basis..lb. .06¼- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .19⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .07¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .06¾- —
17, pale fingers, bgs., c.l., same basis..lb. .19 - —
18, pale straw nubs, bgs., c.l., same basis..lb. .12¾- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11⅞- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¼- —
21, ordinary selected nubs, bgs., c.l., same basis..lb. .08⅛- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06⅝- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .07⅛- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¾- —
25, No. 2 natural ivory nubs, bgs., c.l., same basis..lb. .06¾- —
26, pale bold chips, bgs., c.l., same basis..lb. .06⅝- —
27, pale small chips, bgs., c.l., same basis..lb. .06⅛- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .05¼- —
East India, Batu, bold scraped, bgs., c.l., same basis..lb. .06¼- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis. lb. .03⅝- —
dust, bgs., c.l., same basis..lb. .03⅜- —
nubs and chips, bgs., c.l., same basis..lb. .03⅝- —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅞- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis..lb. .13 - —
chips, bgs., c.l., same basis..lb. .06½- —
dust.,bgs.,c.l.,same basis, lb. .03⅝- —
nubs, bgs., c.l., same basis..lb. .11¼- —
Singapore Rasak, bold, bgs., c.l., same basis..lb. .15⅝- —
chips, bgs., c.l.,same basis, lb. .04¾- —
dust,bgs.,c.l.,same basis.lb. .03⅝- —
nubs,bgs.,c.l.,same basis.lb. .10⅜- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .13½- —
Loba A, bskts., c.l., same basis..lb. .10½- —
B,bskts.,c.l., same basis.lb. .09¾- —
C,bskts.,c.l., same basis.lb. .09⅝- —
CNB, bskts., c.l., same basis..lb. .07⅝- —
D, bskts., c.l., same basis, lb. .08¾- —
DK, bskts.,c.l., same basis, lb. .07⅝- —
DU, bskts., c.l.,same basis, lb. .08⅜- —
dust,bskts.,c.l., same basis, lb. .06⅛- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06½- —
spirit, soluble, CBB, bskts., c.l., same basis..lb. .08⅝- —
DBB,bskts.,c.l.,same basis, lb. .08¾- —
MA, bskts., c.l.,same basis, lb. .07¼- —
MB, bskts.,c.l.,same basis, lb. .06¾- —
WS, bskts.,c.l.,same basis, lb. .08¼- —
Philippine Manila, amber sorts, bskts., c.l., same basis...lb. .08½- —
Gum, copal, Philippine Manila, chips, pale, bskts., c.l., same basis..lb. .08⅞- —
small, bskts., c.l., same basis..lb. .08½- —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
nubs,bskts.,c.l., same basis. lb. .11⅛- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .07½- —
Pontianak, bold, genuine, bgs., same basis..lb. .16 - —
mixed, bgs., c.l.,same basis lb. .14 - —
chips,bgs,c.l., same basis.lb. .10¼- —
nubs, bgs.,c.l., same basis.lb. .12⅜- —
split,bgs.,c.l., same basis.lb. .15¼- —
Dammar, Batavia A, cs., c.l., A/D, cs., c.l., same basis.lb. .18½- —
A/E, cs., c.l., same basis.lb. .15¼- —
B, cs., c.l., same basis...lb. .22½- —
C, cs., c.l., same basis...lb. .18½- —
D, cs., c.l., same basis...lb. .15¼- —
dust, cs., c.l., same basis.lb. .06⅝- —
E, cs., c.l., same basis...lb. .08¼- —
F, cs., c.l., same basis...lb. .06¾- —
Singapore, 1, cs, c.l., same basis..lb. .20⅝- —
2, cs., c.l., same basis....lb. .15⅞- —
3, cs., c.l., same basis....lb. .05⅝- —
chips, cs., c.l., same basis.lb. .12 - —
dust, cs., c.l., same basis.lb. .05¾- —
seeds, cs., c.l., same basis.lb. .09½- —
Elemi, cns., c.l., same basis as copal..lb. .09⅝- —
Ester, dms., 75,000 lbs., dlvd. lb. .10¾- —
c.l., single shipment, dlvd. lb. .10⅝- —
l.c.l., 3,000 lbs., single shipment, dlvd..lb. .11 - —
smaller lots, dlvd.....lb. .11¼- —
Euphorbium, cs.....lb. .17 - .18
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipe, cs.....lb. .58 - .59
powd., bbls.....lb. .65 - .66
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms. lb. .27 - .30
XX, bbls., bxs., dms.....lb. .18 - .19
1, bbls., bxs., dms.....lb. .12 - .13
2, bbls., bxs., dms.....lb. .11 - .12
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .26 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .14⅝- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17⅜- —
Kino, tins.....lb. 1.60 - 1.70
Mastic, cs., c.l., same basis as copal..lb. .57 - .58
Myrrh, USP, cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .07½- .18
tears, cs.....lb. .18 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis as copal..lb. .33 - .35
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .27 - .29
sorts, bgs.....lb. .14½- .15
Talha, bgs.....lb. .05 - .06
Thus, bbls.....280 lbs.13.75 -14.00
Tragacanth, Aleppo, 1, cs....lb. 3.00 - 3.25
2, cs.....lb. 2.50 - 2.75
3, cs.....lb. 2.45 - 2.70
4, cs.....lb. 2.40 - 2.65
5, cs.....lb. 2.25 - 2.50
Flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis..lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.21.15- —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of parts, paper bgs., c.l., f.o.b. Acme, Tex., frt. equaled..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans., Fort Dodge,Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton.12.00 - —
import., bgs., ex dock....ton.27.50 - —

## H

Heliotropin, cryst., cns.....lb. 2.60 - 2.80
Hellebore, white, root, powd.,bbls.lb. .12 - .13
Helonias root, bls.....lb. .50 - .55
Hematine crystals, bbls.....lb. .16 - .24
Hemlock extract,25% tan.,bbls.lb. .03 - .06¼
Hempseed, Manchur, bgs.....lb. .04¾- .05¼
Henbane leaves, bls.....lb. .19 - .20
Henna leaves, bls.....lb. .07 - .09
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09½- —
normal, 86-100°C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —

## Gasoline—Kerosene

Hexamethylenetetramine, USP, dms., 500 lbs. or more, shipments, same basis, lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago...unit-ton. 3.50 - —
Hops, dom., 1936 crop, bls.....lb. .46 - .51
import., 1936 crop, bls.....lb. .56 - .70
Horehound, bls.....lb. .07 - .08
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 ozs.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen, peroxide, USP, bbls.oz. .03¾- .04
100 vols., cbys.,E.of Miss.R.lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .15 - .20
solid, bxs.....lb. .17 - .20

## I

Iceland moss, bls.....lb. .13 - .14
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls...lb. 2.40 - —
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.34.00 -36.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs, 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.65 - —
cbys., 5 gals.....gal. 1.75 - —
mild, bbls., 47 gals.....gal. .90 - —
cbys., 5 gals.....gal. 1.00 - —
Iodoform., dms., 100 lbs.....lb. 3.75 - —
jrs., 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.65
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.50 - 1.55
Irish moss, ordinary, bls.....lb. .11 - .12
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .19 - .20
Iron acetate, N. F., IV, cbys., 100 lbs..lb. .15 - —
IV, djns., 50 lbs.....lb. .16 - —
Chloride, tech., cryst., bbls., kgs..lb. .05 - .08
USP, cryst., bbls., 500 lbs..lb. .07½- —
kgs., 100 lbs.....lb. .08½- —
solut., USP, cbys., 130 lbs., lb. .06½- —
djns., 50 lbs.....lb. .16 - —
Citrate, USP VIII, pearls, cns. lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots.....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc)
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas)
USP, cryst., bbls., 275 lbs., lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs.....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs.....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l.....lb. .08 - —
tanks.....lb. .06 - —

## J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .21 - .28
Juniper berries, bgs.....lb. .05½- .06

## K

Kamala, tins.....lb. .36 - .37
Kava kava root bls.....lb. .17 - .19
Kerosene, at refinery:—
Bayonne, 41-43 w.w.,tanks.gal. .05½- .05¾
Gulf ports, p.w., bulk, export. gal. .04¾- —
w.w., bulk, export....gal. .05 - —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¼- .04⅛

## Kerosene—Litharge

| | | |
|---|---|---|
| Kerosene, at refinery, Oklahoma-Texas, 41-43 w.w. tanks | gal. | .04½- .04¾ |
| 42-44 w.w., tanks | gal. | .04¾- .04⅝ |
| Pennsylvania, 45 w.w., tanks | gal. | .04⅞- — |
| 46 w.w., tanks | gal. | .05 - — |
| 47 w.w., tanks | gal. | .05⅛- — |
| Kerosene, tankwagon:— | | |
| Atlanta | gal. | .13 - — |
| Boston | gal. | .07½- — |
| Chicago | gal. | .101 - — |
| Cincinnati | gal. | .135 - — |
| Denver | gal. | .11½- — |
| Louisville | gal. | .10½- — |
| Minneapolis | gal. | .10⅛- — |
| New Orleans | gal. | .14 - — |
| New York | gal. | .07¾- — |
| San Francisco | gal. | .115 - — |
| Kerosene distillate (see Oil, furnace). | | |
| Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd. | ton. | No prices |
| Kola nuts, bgs | lb. | .11 - .12 |

# L

| | | |
|---|---|---|
| Lady slipper root, bls | lb. | .42 - .45 |
| Lanolin (see Adeps lanae). | | |
| Lard, city, tubs | 100 lbs. | 13.25 -13.50 |
| Middlewestern, trcs | 100 lbs. | 12.45 -12.55 |
| Neutral trcs | 100 lbs. | 14.00 -14.25 |
| Lard, Western, choice, trcs | 100 lbs. | 12.55 -12.65 |
| Compound, trcs | 100 lbs. | 13.00 -13.25 |
| Larkspur seed, bgs | lb. | .28 - .30 |
| Laurel berries, bls | lb. | .09 - .10 |
| Leaves, Ital., bls | lb. | .04¾- .05¼ |
| Lavender flowers, ordinary, bls. | lb. | .40 - .42 |
| select, bls | lb. | .55 - .60 |
| Lead acetate, white, broken, bbls. | lb. | .13½- — |
| cryst., bbls. | lb. | .13½- — |
| gran., bbls | lb. | .14¼- — |
| powd., bbls. | lb. | .14¼- — |
| Arsenate, dms., dealers, E. of Rockies | lb. | .11½- — |
| W. of Rockies | lb. | .11½- — |
| 1,000 lbs. or more, dealers dms., E. of Rockies | lb. | .12 - — |
| W. of Rockies | lb. | .11¾- — |
| less than 1,000 lbs., dealers, E. of Rockies | lb. | .12½- — |
| W. of Rockies | lb. | .12½- — |
| Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups. | | |
| Blue, basic, sulphate, bbls., c.l., dlvd., E. | lb. | .07 - — |
| dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. | lb. | .07½- — |
| l.c.l., dlvd., E. | lb. | .07¼- — |
| dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. | lb. | .07¾- — |
| Carbonate (see Lead, white) | | |
| Chloride, pure, bots., 5 lbs. | lb. | .62 - — |
| fib. dms., 25 lbs. | lb. | .49 - — |
| Iodide, N. F., V., powd., bots., 5 lbs. | lb. | 2.52 - — |
| jars | lb. | 2.40 - — |
| Linoleate, pale, precip., dms., | lb. | .19 - — |
| Metal (see daily quotations in market report) | | |
| Metallic, paste, 200-lb. cont., f.o.b. works | lb. | .20 - — |
| 5 lb. cont., f.o.b. works | lb. | .23 - — |
| Nitrate, bbls. | lb. | .11 - .11½ |
| Oleate, bbls. | lb. | .18½- .20 |
| Peroxide, cns., works | lb. | .46 - .47 |
| Lead, red, dry, 95% or less, $Pb_3O_4$, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash. | lb. | .0675- — |
| other points | lb. | .0850- — |
| l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. | lb. | .09¼- — |
| dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. | lb. | .09¾- — |
| Colo., Mont., N. Mex., Wyo. | lb. | .09½- — |
| other points | lb. | .09 - — |
| smaller lots, dlvd., Ala., etc. | lb. | .09¾- — |
| Ariz., etc. | lb. | .10¼- — |
| Colo., etc. | lb. | .10 - — |
| other points | lb. | .09½- — |
| 97%, $Pb_3O_4$, bbls., c.l., (20 tons) dlvd., Ala., etc. | lb. | .09 - — |
| other points | lb. | .0875- — |
| l.c.l., 5 tons, dlvd., Ala., etc. | lb. | .09½- — |
| Ariz., etc. | lb. | .10 - — |
| Colo., etc. | lb. | .09¾- — |
| other points | lb. | .09¼- — |
| smaller lots, dlvd., Ala., etc. | lb. | .10 - — |
| Ariz. | lb. | .10½- — |
| Colo. | lb. | .10¼- — |
| other points | lb. | .09¾- — |
| 98%, $Pb_3O_4$, bbls., c.l. (20 tons), dlvd., Ala., etc. | lb. | .0925- — |
| other points | lb. | .09 - — |
| Lead, red, dry, 98% $Pb_3O_4$, bbls., l.c.l., 5 tons, dlvd. Ala., etc. | lb. | .09¾- — |
| Ariz., etc. | lb. | .10¼- — |
| Colo., etc. | lb. | .10 - — |
| other points | lb. | .09½- — |
| smaller lots, dlvd. Ala., etc. | lb. | .10½- — |
| Ariz., etc. | lb. | .10⅝- — |
| Colo., etc. | lb. | .10½- — |
| other points | lb. | .10 - — |
| in oil, steel kegs, 1,000 lbs. | lb. | .11¾- — |
| 500 lbs. | lb. | .12 - — |
| smaller lots | lb. | .12¾- — |
| Resinate, fused, 16%, bbls. | lb. | .09½- — |
| pale, bbls. | lb. | .11½- — |
| precip., bbls. | lb. | .16½- — |
| Stearate, bbls. | lb. | .22 - .23 |
| Sulphate (see Lead, white) | | |
| Titanate, bbls., c.l., f.o.b. works, frt. alld. | lb. | .12 - — |
| l.c.l., 5 tons, one delvy, dlvd., | lb. | .12¼- — |
| smaller lots | lb. | .12½- — |
| White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo. | lb. | .07¾- — |
| other points | lb. | .07½- — |
| l.c.l. dlvd. Ariz., etc. | lb. | .08 - — |
| other points | lb. | .07¾- — |
| basic sulphate, bbls., c.l., dlvd. Ariz., etc. | lb. | .07¼- — |
| other points | lb. | .07 - — |
| l.c.l., dlvd. Ariz., etc. | lb. | .07½- — |
| other points | lb. | .07¼- — |
| in oil, 100-lb. kgs., 1,000 lbs., dlvd. | lb. | .11¾- — |
| 500 lbs., dlvd | lb. | .12 - — |
| smaller lots, dlvd | lb. | .13 - — |
| Lemon peel, bls | lb. | .09 - .10 |
| Licorice extract, mass, cs | lb. | .17 - .18 |
| powd., bbls | lb. | .27 - .28 |
| Root, bls | lb. | .04½- .05 |
| powd., bbls, bxs | lb. | .07 - .08 |
| select, bndls., cs | lb. | .20 - .21 |
| Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. | ton. | 7.00 - — |
| Berkley, W. Va. | ton. | 7.00 - — |
| California, northern. | ton. | 11.80 - — |
| southern | ton. | 11.45 - — |
| Cedar Hollow, Pa. | ton. | 8.00 - — |
| Chicago | ton. | 7.25 - — |
| Crab Orchard, Tenn. | ton. | 6.25 - — |
| Dallas, Texas | ton. | 8.50 - — |
| Durbin, Ohio | ton. | 6.50 - — |
| Eagle Mountain, Va. | ton. | 6.25 - — |
| Easton, La. | ton. | 7.00 - — |
| Farnams, Mass. | ton. | 7.50 - — |
| Gibsonburg, Ohio | ton. | 7.00 - — |
| Hannibal, Mo. | ton. | 6.50 - — |
| Keystone, Ala. | ton. | 7.00 - — |
| Knoxville, Tenn. | ton. | 6.25 - — |
| Leroy, Minn. | ton. | 8.00 - — |
| Limedale, Ark. | ton. | 7.00 - — |
| Longview, Ala. | ton. | 6.25 - — |
| Marble Cliff, Ohio | ton. | 6.50 - — |
| Marblehead, Ohio | ton. | 7.00 - — |
| Martinsburg, W. Va. | ton. | 7.00 - — |
| Menominee, Mich. | ton. | 7.50 - — |
| Mitchell, Ind | ton. | 6.50 - — |
| Newala, Ala. | ton. | 6.25 - — |
| Petosky, Mich. | ton. | 8.00 - — |
| Port Island, Mich. | ton. | 7.50 - — |
| Ripplemead, Va. | ton. | 6.25 - — |
| Riverton, Va. | ton. | 6.25 - — |
| Scioto, Ohio | ton. | 6.00 - — |
| Sheboygan, Wis. | ton. | 7.00 - — |
| Sherwood, Wis. | ton. | 7.50 - — |
| Springfield, Mo. | ton. | 7.00 - — |
| Woodville, Ohio | ton. | 7.00 - — |
| Hydrated, paper bags, f.o.b. Bellefonte, Pa. | ton. | 8.50 - — |
| Berkley, W. Va. | ton. | 8.50 - — |
| Buffalo | ton. | 11.00 - — |
| California, northern. | ton. | 15.30 - — |
| southern | ton. | 13.95 - — |
| Cedar Hollow, Pa. | ton. | 8.50 - — |
| Chicago | ton. | 9.50 - — |
| Crab Orchard, Tenn. | ton. | 9.00 - — |
| Dallas, Tex. | ton. | 12.00 - — |
| Durbin, Ohio | ton. | 8.00 - — |
| Eagle Mountain, Va. | ton. | 8.50 - — |
| Easton, La. | ton. | 9.00 - — |
| Farnams, Mass. | ton. | 9.00 - — |
| Gibsonburg, Ohio | ton. | 8.50 - — |
| Hannibal, Mo. | ton. | 8.50 - — |
| Keystone, Ala. | ton. | 9.00 - — |
| Knoxville, Tenn. | ton. | 9.00 - — |
| Limedale, Ark. | ton. | 9.00 - — |
| Longview, Ala. | ton. | 9.00 - — |
| Louisville, Ky. | ton. | 14.50 - — |
| Marble Cliff, Ohio. | ton. | 8.00 - — |
| Marblehead, Ohio | ton. | 9.00 - — |
| Martinsburg, W. Va. | ton. | 8.50 - — |
| Milltown, Ind. | ton. | 12.50 - — |
| Mitchell, Ind. | ton. | 9.00 - — |
| Newala, Ala. | ton. | 9.00 - — |
| Pelham, Ala. | ton. | 9.00 - — |
| Petolsky, Mich. | ton. | 9.00 - — |
| Port Island, Mich. | ton. | 9.00 - — |
| Rapid City, S. D. | ton. | 12.00 - — |
| Ripplemead, Va. | ton. | 8.00 - — |
| Riverton, Va. | ton. | 9.00 - — |
| Scioto, Ohio | ton. | 8.00 - — |
| Sherwood, Wis. | ton. | 9.00 - — |
| Siluria, Ala. | ton. | 9.00 - — |
| Springfield, Mo. | ton. | 9.00 - — |
| Woodville, Ohio | ton. | 8.50 - — |
| spray, paper bgs., f.o.b. Bellefonte, Pa. | ton. | 9.00 - — |
| Durbin, Ohio | ton. | 9.00 - — |
| Farnams, Mass. | ton. | 9.00 - — |
| Gibsonburg, Ohio | ton. | 11.00 - — |
| Marble Cliff, Ohio | ton. | 11.00 - — |
| Marblehead, Ohio | ton. | 11.00 - — |
| Mitchell, Ind. | ton. | 9.00 - — |
| Scioto, Ohio | ton. | 9.00 - — |
| Sherwood, Wis. | ton. | 9.00 - — |
| Woodville, Ohio | ton. | 11.00 - — |
| Salts (see Calcium) | | |
| Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex. | lb. | .07½- .08⅛ |
| dms., same basis | lb. | .10½- — |
| 400 lbs., or more, bgs., same basis | lb. | .07¾- .08⅜ |
| dms., same basis | lb. | .11 - — |
| less than 400 lbs., same basis, | lb. | .08½- .09⅛ |
| dms., same basis | lb. | .12 - — |
| solution, dms., consumer, c.l., works, fr't all'd. | gal. | .13½- .16⅛ |
| dealer, fr't all'd. | gal. | .13 - .16 |
| l.c.l., consumer, fr't all'd, | gal. | .15 - .18 |
| dealer, fr't all'd. | gal. | .14 - .17 |
| tanks, consumer, dlvd. | gal. | .11½- — |
| dealer, dlvd. | gal. | .11 - — |
| Linalool, cns. | lb. | 1.90 - 2.10 |
| Linalyl acetate, cns., 25 lbs. | lb. | 1.70 - 2.45 |
| Linden flowers, with leaves, bls. | lb. | .16 - .17 |
| without leaves, bls. | lb. | .17 - .18 |
| Linseed cake, bgs., export | ton. | 26.50 - — |
| Meal, 32%, dom., bgs. | ton. | 36.00 - — |
| Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash. | lb. | .0775- — |
| other points | lb. | .0750- — |
| 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. | lb. | .08¼- — |

WITCO'S CHICAGO OFFICE *Moves* to the TRIBUNE TOWER

The steady increase of Witco's business in the Chicago district has necessitated our moving to larger, better and more convenient quarters. Looking ahead and planning greater and more efficient service than ever before, we have chosen Chicago's most famous building—the Tribune Tower. Here, in the Loop, convenient to all of Chicago's railroad terminals and easily reached from any part of the city, we are prepared to meet increasing demands with better facilities and more spacious offices.

We cordially invite you to call on us in our new quarters.

**WISHNICK-TUMPEER, INC.**

MANUFACTURERS AND IMPORTERS

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CHICAGO, TRIBUNE TOWER CLEVELAND, 616 ST. CLAIR AVENUE, N.E.
WITCO LTD., BUSH HOUSE, LONDON, W. C. 2, ENGLAND

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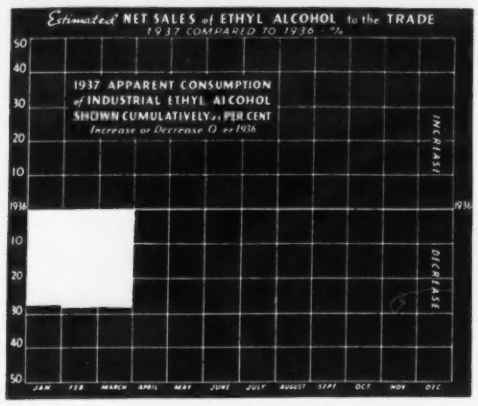
# ALCOHOL NEWS

June ★ A Monthly Series of Technical Articles for Chemists and Executives ★ 1937


Estimated NET SALES of ETHYL ALCOHOL to the TRADE
1937 COMPARED TO 1936 - %
1937 APPARENT CONSUMPTION of INDUSTRIAL ETHYL ALCOHOL SHOWN CUMULATIVELY in PER CENT
Increase or Decrease Over 1936
INCREASE
DECREASE
1936
JAN FEB MARCH APRIL MAY JUNE JULY AUGUST SEPT OCT NOV DEC

Apparent consumption of industrial ethyl alcohol from Jan. 1 to March 31, 1937 was 13,378,000 wine gallons. This is 28.3 per cent less than during the same period in 1936 when 18,811,000 wine gallons were consumed.

## BEAUTY EDITORS CITE NEW COSMETIC NEEDS

"What new items are women demanding in cosmetic lines?" That was the question recently asked of seven famous beauty editors. If their replies are to be taken as a criterion, there exists a need for

—A waveset that dries as quickly as water.

—A perfume with the scent of crab apples.

—A mouthwash in tablet form—suitable for carrying in the purse.

—A perfumed, mentholated toilet water for after-bath use.

—Clearer and more concise directions with beauty preparations.

—Simple, standardized allergic tests.

They also ask that manufacturers devote more time to lipsticks which do not rub off and depilatories which are lasting in action. No adequate solution to the old problem of graying hair has come along, states one editor.

One striking fact which emerges from their responses is a lack of unanimity on the unfilled needs of women. Although some twenty odd requirements were given by the seven women, there were a few, if any, items selected by all seven.

## MORE ANHYDROUS S.D. ALCOHOL FOR DRUGS

Drug manufacturers are among those now using larger quantities of anhydrous specially denatured alcohol, the current issue of U.S.I.'s companion publication, *Solvent News*, reveals.

Pointing out that large scale development of certain processes have been a major influence on anhydrous alcohol consumption, the article emphasizes the fact that an increasing number of manufacturers in allied industries is turning to anhydrous alcohol where greater solvent powers are required. Anhydrous alcohol is also looked upon as essential in certain separation processes where differential solubility of chemicals in ethyl alcohol of varying concentrations makes possible their isolation.

Also sharing the greater consumption are certain other specialty anhydrous alcohol solvents, Solox and the Ansols. Manufacturers have found these blends of anhydrous alcohol, esters and hydrocarbons increasingly useful.

# A.C.S. AND A.D.M.A. PLEAD FOR BROADER VIEWS ON ALCOHOL

## A.C.S. Opposes Laws Which Limit Molasses Alcohol

### LEGISLATORS "CONFUSED"

Voicing continued opposition to any attempt to impose "onerous and unnecessary restriction" on molasses alcohol, the committee on industrial alcohol of the American Chemical Society has, during the past year, actively opposed bills which would restrict the manufacture and use of alcohol, at least for some purposes, to that derived from grain.

Dr. Martin H. Ittner, Chief Chemist of the Colgate-Palmolive-Peet Co., told chemists gathered in Chapel Hill, N. C., recently that such legislation might do irreparable damage to the drug and cosmetic industry where, particularly in perfume making, much molasses alcohol is used.

Confusion in the minds of legislators regarding the different types of alcohol is dangerous, Dr. Ittner pointed out, since the possibility of raising additional revenue from beverage alcohol and the desire to control liquor traffic, often leads lawmakers unwittingly to restrict industrial and denatured alcohols.

### Pharmaceutical Exports Rise

Foreign demand for American medicinal and pharmaceutical products in the first quarter of this year was 18 per cent greater than in 1936 according to C. C. Concannon, chief of the U. S. Dept. of Commerce Chemical Division. The total value was $4,189,500, approximately 35 per cent above the first three months of 1935. Experts predict that this progress will be maintained and that levels recorded during the boom period preceding 1930 will be reached shortly.

## Tolerances Too Narrow In Official Books—A.D.M.A.

### PAST EXPERIENCE CITED

Dissatisfaction with the present alcohol tolerances specified by the U.S.P. XI and the N.F. VI was voiced by the sub-committee on alcohol tolerances of the Contact Committee of the A.D.M.A. in their recent report at the meeting of the American Drug Manufacturer's Ass'n. It is their contention that it is impossible in many cases to comply with regulations and that, moreover, a reasonable variability in alcoholic content of finished preparations is not of significant importance.

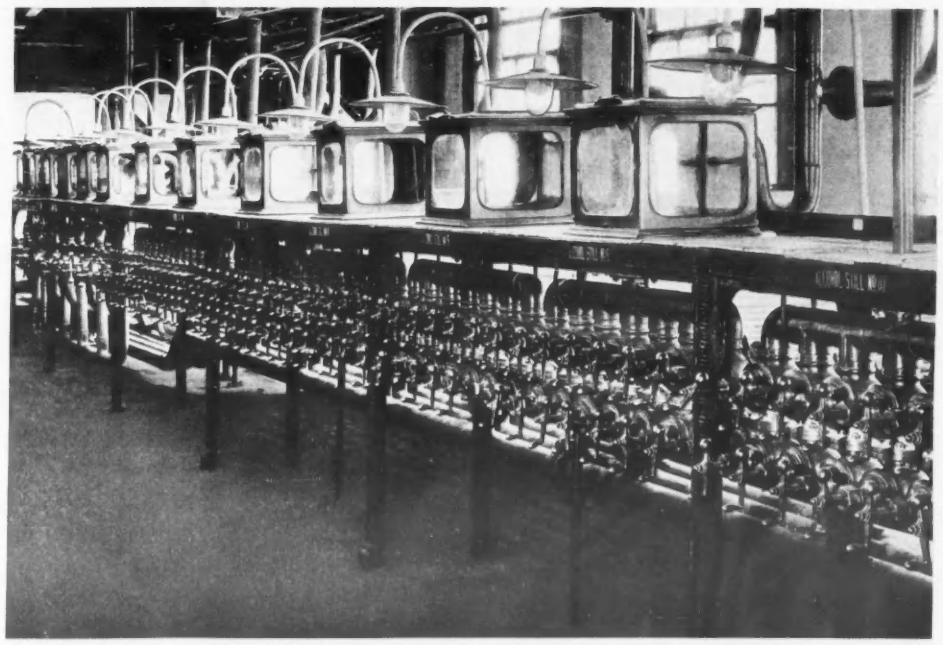
Although it is not their expressed intention to establish wide tolerances, the committee feels that if the alcohol figures given in the official books could be regarded as informative rather than mandatory, sufficient latitude to allow for production difficulties and other factors could be set up.

#### Single Out Digitalis

Digitalis was singled out as a specific example where, on account of variations in the physiological assay or the use of comparatively low potency drugs, it is extremely difficult to keep the therapeutic content in balance with the specified alcohol content. Attempts to adjust the alcohol content to the amount specified in the official books may involve damage to the finished product, they assert.

**CHOLESTERIN ABSORPTION BASE, a new sun screen for sunburn preventives, a rancidity retardant and other interesting specialties are described in the "Technical Developments" on the next page. For further information, write to U.S.I.**

**ALCOHOL— Subject of current discussions at A.C.S. and A.D.M.A. meetings — flowing from stills into tail boxes at the Curtis Bay, Md., plant of the U. S. Industrial Alcohol Co.**



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June ★ # ALCOHOL NEWS ★ 1937

## FACE POWDER GREASE RESISTANCE GRADED

### Colloidal Kaolin Absorbs Least; Magnesium Stearate Most

Colloidal kaolin is the most effective ingredient for face powders if its grease resisting properties are taken as the criterion, reports of a recent series of studies indicate. On the same basis, precipitated chalk ranks second, while magnesium stearate and rice starch rate poorly. Titaniumdioxide appeared to have a lower absorption factor than the latter two materials.

In order to devise a controlled series of tests, the investigator adopted a mixture of lanolin and peach kernel oil as that most nearly simulating the sebaceous secretion of the skin. This was painted in a thin layer on highly polished black glass and the powders applied with powder puff to equal squares of glass. The rate of absorption of oil by the powder when the glass was gently warmed was taken as a measure of the powder's grease resisting properties. With colloidal kaolin, it is reported that no perceptible absorption was observed.

## RESEARCH PAVES WAY TO SYNTHESIS OF GLYCERIN

Production of synthetic glycerin, which has so far eluded the grasp of chemical industry, may have moved a step closer to realization with the announcement of a synthesis proceeding from keto-dimethyl ethyl ether, reports from abroad indicate. Since the keto-dimethyl ethyl ether can be readily obtained by several methods, the report adds, the method is of interest.

Keto-dimethyl ethyl ether was converted into the diethyl ether of glycerin by cold hydrogenation in alcoholic solution in the presence of activated nickel, a description of the experiments relates. This diethyl ether was then converted into glycerin by heating for 8 hours at 120-125° in an enamel autoclave or sealed tubes with three to four times the weight of concentrated hydrochloric acid. All reactions are said to have given quantitative yields.

## MORE STABLE SOLUTIONS WITH ABSOLUTE ALCOHOL

Absolute Alcohol solutions of Lobelia inflata, Cinchona, Atropa belladonna, Valeriana officinalis, Convallaria majalis and Cannabis sativa are more stable than solutions of these drugs made with dilute alcohol, according to a report from Rome, Italy. Storing the solution in diffused light weakens them all, the author says, but solutions in absolute alcohol are considerably more stable. The investigator also reports, however, that when absolute alcohol is used for extraction, weaker tinctures result than with dilute alcohol, in all cases except valerian.

## *Find Amyl Salicylate Is Help In Treating Burns*

Treatment of second and third degree burns with a blend of amyl salicylate and methyl tertiary butyl phenol produces steady healing and gives scars which are smooth and pliable, reports the *British Medical Journal* in a recent issue.

Although amyl salicylate is said to lack the coagulant effect of tannic acid on tissues, so valuable in the case of severe and extensive burns, it was found that this ester gave almost uniformly good results and the treatment was painless throughout. The methyl tertiary butyl phenol component is asserted ao add an antiseptic effect to the treatment.

## IMPROVED PICRATE TESTS FOR ALKALOIDS REPORTED

Identification of alkaloids as picrates may be made a more sensitive and specific test when the standard picric acid reagent is used in a mixture of alcohol and glycerin, a recent report states. The same solution of reagent can also be used successfully for the microchemical identification of certain synthetic drugs having properties similar to those of the alkaloids, the report adds.

Slow crystallization directly on the microscope slide is considered sufficient. Among the characteristic crystals formed in the test by alkaloids and synthetic drugs are reported the following: atropine, m.p. 165-166° C.; cocaine, m.p. 154-155°; hyoscyamine, m.p. 162-163°; antipyrine, melts to a blackish liquid at 180-182°.

## STUDY PROPERTIES OF AMBERGRIS FOR PERFUME

Ambergris with a definite indole odor and a not too pronounced sea smell is the most desirable grade for perfumes, according to the conclusions reached by at least one investigator. Infusions of this grade made with one part by weight of ambergris to 40 parts by weight of 96% alcohol give a tincture suitable for use in the proportions of 30 to 80 cc. to one liter of perfume, the report suggests.

According to the method outlined, the digestion should be made with 1,000 grams in a wide-mouthed vessel of 10-12 liters capacity, using five successive extractions, each with 8 liters of alcohol, and allowing a digestion period of 8 days before decantation of each extract. The combined 40 liters of extract is filtered and then put away to mature for six months, while the marc may be kept covered with an additional 10 liters of alcohol until needed again.

## TECHNICAL DEVELOPMENTS

*Further information on these items may be obtained by writing to U.S.I.*

**Cholesterin absorption base,** recently placed on the market, may be used in either W/O or O/W emulsions. It is recommended by the manufacturer for preventing sweating of creams. It is said to be activated by ultra-violet light and to be completely odorless and compatible with salts, acids or alkalies.

U S I

**Sunburn lotions and oils** formulated with a new sun screen, said to have an absorption curve similar to the natural brown pigment of the epidermis, are reported to promote healthy tanning to a surprising degree. The product is asserted to be soluble in all proportions in mineral and vegetable oils, waxes and fats and to be absolutely insoluble in water.

U S I

**Fluffy packing material** can be made from waste paper at a negligible cost, according to the manufacturer of a shredding machine which cuts 21 sheets of newsprint into 1/16 in. strips in one second. It is claimed that the fine shreds hide the appearance of any printing on the strands, making the packing paper more desirable.

U S I

**A rancidity retardant** for vegetable and animal oils, fats, waxes, etc. has just been introduced. The material is recommended by the manufacturer for use in the textile, leather, lubricant, cosmetic and other industries where rancidity, "souring" and discoloration due to oxidation occur.

U S I

**A dry-air cleaner for new glassware,** recently developed, is said to have a speed range between 40 and 120 bottles per minute. A 60-lb. blast of clean, dry air is blown into bottles held upside down in the new, fully automatic machine.

U S I

**The fragrance of spring flowers** can be duplicated in soap, claims the manufacturer of a new synthetic aromatic compound. The compound is said to bear the true odor of mountain cyclamen and to be very stable, highly resistant to alkali and non-irritating to the skin.

U S I

**Water-jacketed, trough conveyors** for transporting and cooling raw materials in the plant are now available. A vibrating action is said to give efficient operation by preventing the formation of insulating films usually formed between hot and cold surfaces.

U S I

**Lemon concentrate** which, according to the manufacturer, retains the fresh fruity character of lemon oil, while strength, solubility and stability are increased, is now available.

U S I

**For filling small vials** or bottles with perfume or other volatile materials, an apparatus now on the market consists of a 3- to 4-pint glass container connected through a rubber hose to a glass stop cock with a fine drawn out point. The device is also supplied with spring pinch cocks and a non-rusting metal needle.

U S I

**Fabric gloves coated with synthetic rubber** are reported to resist oil, grease, gasoline and acids. It is claimed that the gloves, recently marketed, prevent hand sweating in both summer and winter and are especially wear-resistant.

U S I

**Natural daylight** is said to be produced by new tubes containing carbon dioxide. They are arranged in grids to give a diffused light closely approaching north-sky light in color value.


# U.S. INDUSTRIAL ALCOHOL CO.

**WORLD'S LARGEST PRODUCERS OF INDUSTRIAL ALCOHOL**

**ETHYL ALCOHOL**

SPECIALLY DENATURED-*All Formulas* • COMPLETELY DENATURED-*All Formulas* • ANHYDROUS-*Denatured* • ABSOLUTE-*Pure*

SOLOX-*The General Solvent* • U. S. I. DENATURED ALCOHOL • SUPER PYRO *Anti-Freeze*

PURE (190 PROOF) TAX PAID—TAX FREE

U. S. I.—U. S. P.-*Ethyl* • WEBB'S-*Ethyl*

*Executive Offices: 60 East 42nd Street, New York, N. Y. Branches in all Principal Cities.*

Litharge, com'l, powd., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
Lithium bromide, jars, 25 lbs. lb. 1.70 - 1.75
Carbonate, bbls., 250 lbs....lb. 1.25 - —
kgs., 100 lbs.....lb. 1.30 - —
Chloride, jars, 25 lbs.....lb. 1.65 - 1.70
Citrate, bbls., 250 lbs.....lb. 1.40 - —
fib dms., 25 lbs.....lb. 1.45 - —
kgs., 100 lbs.....lb. 1.40 - —
Iodide, bots., 5 lbs.....lb. 4.85 - —
jars, 25 lbs.....lb. 4.70 - —
Fluoride, bbls.....lb. 2.10 - 2.60
Lithopone,dom.,high-strength,bgs., 1,000 lbs., dlvd. E. or ex whse. Pac. Cst.....lb. .05¾- —
smaller lots, same basis.lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 1,000 lbs., same basis..lb. .04¼- —
smaller lots, same basis.lb. .04½- —
bbls., 1,000 lbs., same basis..lb. .04½- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 1,000 lbs., same basis..lb. .05¾- —
smaller lots, same basis.lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis.lb. .06¼- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls.lb. .16 - .20
liquid, 51°, bbls.....lb. .08½- .10½
solid, bxs.....lb. .13½- .17
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .35 - .37
Lupulin, N E., tins.....lb. 1.75 - 2.00
Lycopodium, cs.....lb. 1.40 - 1.45

## M

Mace, Banda, cs.....lb. .58½- .59
Batavia, cs.....lb. .48 - .49
Blauw 1, cs.....lb. .55 - .56
Madder, Dutch, bgs.....lb. .22 - .25
Magnesia, arsenate, cs., dms..lb. .18 - .20
Calcined, dom.,-four-hour,including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
Magnesia, calcined, tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .28 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis.lb. .23 - —
1-lb. tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis. lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis. lb. .27 - —
super light, bbls., same basis..lb. .30 - —
calcined, USP, import., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
Zone 2, bgs., c.l.....lb. .06 - —
l.c.l. .....lb. .06½- —
bbls., c.l.....lb. .07 - —
l.c.l. .....lb. .07½- —
kgs., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
USP, Zone 1, bbls., c.l....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
Zone 2, works, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
kgs., c.l.....lb. .09½- —
l.c.l. .....lb. .10 - —

Zone 1:—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts., frt. alld., including dlvd. store-door. Zone 2:—Balance of U.S.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined)
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Malva flowers, black, bls.....lb. .40 - .42
Blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .13 - .14
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .21 - .23
Chloride, bbls.....lb. .09 - —
Dioxide, Caucasian, 85-90%, csks., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works..ton.54.50 - —
smaller lots, works.ton.59.50 - —
burlap bgs., c.l., works.ton.49.50 - —
l.c.l., 5 tons, works..ton.52.50 - —
smaller lots, works.ton.57.50 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons,. works.ton.50.50 - —
smaller lots, works.ton.55.50 - —
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.61 - —
smaller lots.....lb. 2.71 - —
cns., 25 lbs.....lb. 2.83 - —
solut., djns., 1,000 lbs. lots, lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs.....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .32 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs.....lb. 5.10 - —
Linoleate, liquid, 4%, dms....lb. .18 - .19½
solid, precip., 8.2%, bbls....lb. .19 - —

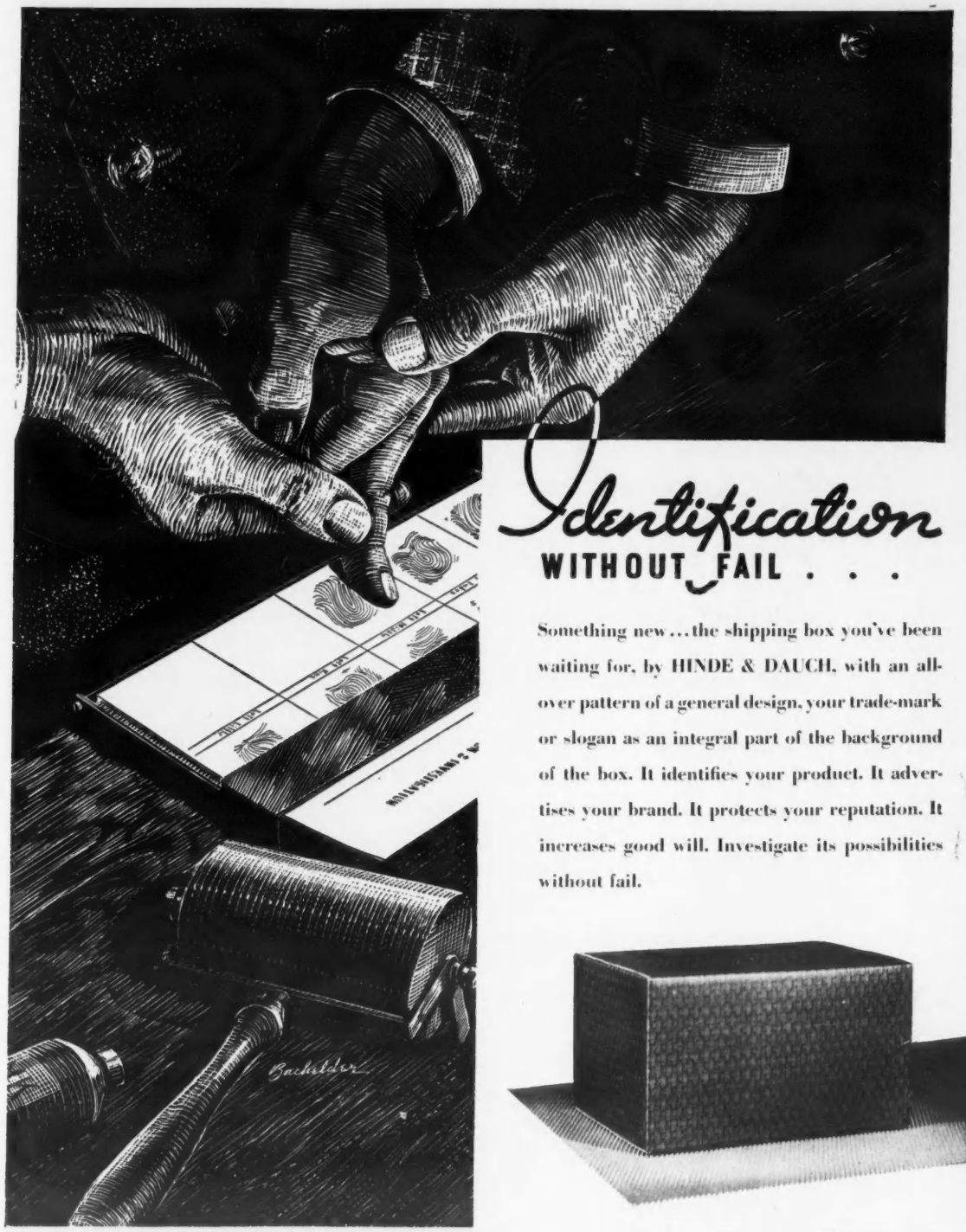
Manganese, ore, 50-52%, basis, bbls., c.l. Atl. ports.. unit-ton. .40 Nom.
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
crvst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.46.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.25.50 -26.00
Manna, flake, large, cs.....lb. .35 - .36
small, cs.....lb. .20 - .21
Mannitol, pure, cryst., cs., works. lb. 1.48 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17¾- .18
Tunisan, bls.....lb. .16¾- .17
Matico leaves, bls.....lb. .29 - .30
Menthol, U.S.P., natural, cs..lb. 3.20 - 3.30
synthetic, tech., cs.....lb. 2.25 - —
U.S.P., cs.....lb. 3.25 - —
liquid, dms., 40 lbs.....lb. 1.60 - —
Menthyl salicylate, tins, 100 lb. lots..lb. 3.00 - —
25 lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .87 - —
25 lbs.....lb. .89 - —
50%, pails, 50 lbs.....lb. 1.26 - —
25 lbs.....lb. 1.28 - —
Mercury (see Quicksilver)
Bichloride (see Corrosive sublimate)
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel)
Iodide, red, N.F., bots., 5 lbs., lb. 3.67 - —
cns., 25 lbs.....lb. 3.55 - —
fib. dms., 100 lbs.....lb. 3.55 - —
Mercury, iodide, yellow, bls., 5 lbs..lb. 3.67 - —
cns., 25 lbs.....lb. 3.65 - —
fib. dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment)
Oxide red, N.F. (see Red precipitate)
Tech. (Red. mercury oxide). Yellow, dom., tech., bbl....lb. 1.59 - 1.60
USP, fib. dms.....lb. 2.01 - 2.03
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works...lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works .....lb. .21½- —
tanks, works .....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.70 - 1.80
Gold,XX deep,3⅜x3⅜ in.pkg.14.25 -14.75
3⅜x3⅜ in.....pkg.15.50 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5⅛ in. .....pkg.21.50 -22.00
3⅛x5½ in.....pkg.23.50 -24.00
Silver, 3⅜x3⅜ in.....pkg. 2.25 - 2.35
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .46 - —
tanks, frt. alld., E. of Rockies..gal. .40 - —
pure, nat'l or synth., dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —

### Litharge—Methyl

Methanol, pure, nat'l or synth., dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
96%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt. alld.

Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J. N. Y., N. C., Ohio, Penn.; R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 99% dms., c.l.; frt. alld. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .16½- —
l.c.l., frt. alld. E. of Rockies..lb. .17 - —
W. of Rockies.....lb. .17½- —
82%, dms., c.l., frt. alld. E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .13½- —
l.c.l., frt. alld. E. of Rockies..lb. .14 - —
W. of Rockies.....lb. .14½- —
Acetoacetate, dms., c.l. works, frt. alld..lb. .29½- —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Company_____
Address_____
City_____ State_____

## Methyl Acetone—Oil, Cade

Methyl, acetone, nat., dms., c.l., contracts, Zone 1..gal. .42 - —
2, .....gal. .45 - —
3 .....gal. .46 - —
4 .....gal. .48 - —
l.c.l., Zone 1.....gal. .44½- —
2 .....gal. .51 - —
3 .....gal. .48½- —
4 .....gal. .64 - —
tanks, contracts, Zone 1.gal. .36 - —
2 .....gal. .38½- —
3 .....gal. .39½- —
4 .....gal. .40 - —

Methyl acetone, natural, prices are quoted for direct shipment from refinery, f.o.b. shipping point, freight allowed to destination. Barrel packing, 2½c. per gal. more, in all brackets. The sale zones are: Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn; R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .52½- —
2, frt. alld. E. of Rockies. gal. .54½- —
3, Pacific coast.....gal. .55½- —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .55 - —
2, frt. alld. E. of Rockies, gal. .59½- —
3, Pacific Cst.....gal. .58 - —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .48 - —
2, ft. alld. E. of Rockies. gal. .49½- —
3, Pacific Coast.....gal. .51 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 1.95 - 2.05
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, cylrs.....lb. .35 - .40
Cinnamate, bots.....lb. 3.00 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 - .43
tins .....lb. .42 - .45
Violet toner, bbls. (500 lbs.).lb. .40 - —
smaller lots .....lb. .42 - —
permanent, bbls.....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene, blue, medicl., kgs 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Methylene chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.50 - 3.00
Methylheptin carbonate, bots..lb.27.50 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms.. c.l. wks..gal. .76 - —
l.c.l. wks.....gal. .80 - —
tanks wks.....gal. .70 - —
Methylpropyl carbinol (see Carbinol).
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs.,c.l., works.ton.35.00 - —
l.c.l., works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l. works.....ton.50.00 -60.00
second-grade, bgs., c.l., works..ton.23.90 -30.00
l.c.l., works.....ton.29.90 -47.50
300, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-ground, paint, oil or lacquer, bgs., c.l., frt. alld., E..lb. .04½ —
l.c.l., frt. alld., E....lb. .05 - —
water, bgs., c.l., frt. alld., E..lb. .04½- —
l.c.l., frt. all., E.....lb. .04¾- —
paper, wall or coated, bgs., c.l., frt. alld., E..lb. .04¼- —
l.c.l., 2,000 lbs., frt. all., E..lb. .04¾- —
smaller lots, frt. alld., E..lb. .05¼- —
rubber, bgs., c.l., frt. alld., E.lb. .03½- —
l.c.l., 2,000 lbs., ft., alld., E..lb. .04- —
smaller lots, frt. alld., E..lb. .04½- —
wet-ground mica prices are ½c. per pound higher on Pacific coast.
Milk powder, skimmed, roller, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
spray, bbls., c.l.....lb. .09 - —
l.c.l. .....lb. .10 - —
unskimmed, roller, bbls., c.l..lb. .17 - —
l.c.l. .....lb. .17½- —
spray, bbls., c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
Millet seed, bgs.....lb. .03¾- .03¾
hulled, bgs.....lb. .06½- .07
Mineral spirits (see Petroleum thinner and V. M. & P. naphtha).
Molasses, blackstrap, tanks..gal. .07¼- —
New Orleans.....gal. .07 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.50 - 2.75
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monochlorobenzene, dms.....lb. .06 - .08½
Monoethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., dms .....lb. .27 - —
tanks .....lb. .25 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Mullein flowers, cns.....lb. .90 - .95
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns.....lb. 4.20 - —
Ketone, cns.....lb. 4.35 - —
Xylol, 100%, cns.....lb. 1.25 - —
Musk root, bls.....lb. .09 - .10
Mustard seed, Bombay, brown, bgs..lb. .05¾ Nom.
California, brown, bgs.....lb. .07½- .08
yellow, bgs .....lb. No stocks
Chinese, yellow, bgs.....lb. .06¼-Nom.
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .07½- .08
English, yellow, bgs.....lb. .08¾- .09¼
Hungarian, yellow, bgs....lb. .07 - .07½
Roumanian, yellow, bgs....lb. .05¾- .06¼
Myrobalans, Jl, bgs., shipt..ton.29.50 - —
J, bgs., shipt.....ton.20.75 - —
R2, bgs., shipt.....ton.20.25 - —
Extract, liquid, 25%, bbls....lb. .04¼- .05¼

## N

Naphtha hydrogenated (see Petroleum naphtha, high solvency).
Painters' (see Petroleum naphtha, V.M.&P.).
Solvent (see S).
Naphthalene, crude, dom., bgs., works..100 lbs. 2.75 Nom.
import., 74-78% bgs., Atlantic ports..100 lbs. 2.60 Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07¼- —
jobbers, cs., same basis.. lb. .07½- —
pkgs. (16 oz.), same basis. lb. .08 - —
(12 oz.) same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .37½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, double, bbls.....lb. .13 - .13¾
single, bbls.....lb. .13 - .13¾
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .76 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07½- —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 30, 40, 70 sec. vis., bbls., works..lb. .29 - —
Nitrocellulose, ester-soluble, ¼, ½, 5-6, 15-20 sec. and higher vis., bbls., contract, c.l., 18,000 lbs. dry weight, works..lb. .22 - —
10,000 lbs.....lb. .25 - —
spot, bbls., works.....lb. .26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works.....lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports June.unit-ton. 1.04 Nom.
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis. summer shipt.unit-ton. 3.25 - —
Chemical, Ill...unit-ton. 3.15 - 3.25
East Coast producing points..unit-ton. 3.40 - 3.50
import., bgs., c.i.f. Atlantic ports, ship..unit-ton. 3.35 Nom.
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. .20 - .22
Chinese, shipmt., cs.....lb. .20 - .22
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19½- .19¾
110s, bgs., cs.....lb. .17¾- .18¼
West Indian, bgs.....lb. .14¾- .15¼
Nux vomica, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .06½- .07

## O

Oakbark extract, 25% tan., bbls., c. l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¼- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .11 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3.....gal. .08½- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns.....lb. .85 - .90
Amber, crude, cns.....lb. .16 - .17
refd., cns .....lb. .45 - .46
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.64.00 -75.00
Seed, bots.....lb.70.00 -80.00
Aniiin (see A).
Anise, USP, cns., dms.....lb. .72 - .75
Apricot kernel, cns.....lb. .30 - .31
Babassu, tanks, futures.....lb. .08 - .09¼
Bay, W. I., cns.....lb. 1.50 - 1.70
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 3.60 - 3.70
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectfd., cns.....lb. .65 - .70
Bois de rose, Brazil, cans..lb. 1.25 - 1.35
Cayenne, cns.....lb. 2.75 - 3.00
Cade, USP IX (see Oil, juniper tar).
dms. .....lb. .28 - —


YOU CAN BANK ON OUR GOOD NAME . . .

Banks everywhere know General American's reliability, and accept our negotiable warehouse receipts as good collateral. This reputation is upheld by the efficiency with which our five modern terminals handle every commodity. You can ship bulk liquids through General American terminals with complete confidence. You can depend on the reliability of America's largest public terminal system. And you can *bank* on General American service.

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*Can Handle Anything That Will Flow Through a Pipe Line*

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Goodhope, La., Westwego, La.
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Carteret, N. J.

GATX GENERAL AMERICAN

OFFICE
135 South LaSalle Street
Chicago

*A division of General American Transportation Corporation*

Oil, cajeput, tech., dms.....lb. .68 - .69
USP 1X, cns.....lb. .71 - .88
Calamus, cns.....lb. 3.00 - 3.50
Camphor, sassafrasy, cns...lb. .22 - .23
dms.....lb. .19 - .20
white, cns.....lb. .21 - .22
dms.....lb. .18 - .19
Canaiga, native, cns.....lb. 1.75 - 2.25
rectified, cns.....lb. 3.00 - 3.25
Capsicum (oleoresin), USP VIII, cns..lb. 2.00 - 2.25
Caraway, USP, cns.....lb. 2.10 - 2.25
Cardamom, bots.....lb.20.00 -38.00
Cassia, USP, cns., dms.....lb. 1.00 - 1.05
Castor, blown, one-way dms., c.l..lb. .12¼- —
l.c.l.....lb. .13 - —
medicinal, bbls., c.l.....lb. .10¾- —
l.c.l.....lb. .11½- —
cns. (1-gal), l.c.l.....lb. .14½- —
dms. (returnable), c.l....lb. .10½- —
c.l.....lb. .11¼- —
(5-gal.), l.c.l.....lb. .12½- —
tanks.....lb. .10 - —
No. 3, bbls., c.l.....lb. .10¼- —
l.c.l.....lb. .11 - —
dms. (returnable), c.l....lb. .10 - —
l.c.l.....lb. .10¾- —
tanks.....lb. .09½- —
Castor oil, med, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
sulphonated, 50% (48% fat), dms., c.l..lb. .08 - —
l.c.l.....lb. .08½- —
75% (63% fat), dms., c.l..lb. .11½- —
l.c.l.....lb. .12 - —
80% (68% fat), dms., c.l..lb. .12½- —
l.c.l.....lb. .13 - —
Cedarleaf, cns.....lb. .80 - .85
dms.....lb. .75 - .80
Cedarwood, Oregon, cns., dms., .28 - .30
Southern, cns., dms.....lb. .24 - .26
Celery, bots.....lb.10.50 -12.50
Chaulmoogra, USP, cns, 500 lbs..lb. .90 - —
28 lbs.....lb. 1.00 - —
Chinawood, dms., Atlantic Cst. lb. .13 - .13¼
tanks.....lb. .1290- .1220
Cinnamon, Ceylon, bots. ...lb. 7.75 -22.00
Seychelle, bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .44 - .46
dms.....lb. .42 - .44
Java, dms.....lb. .41 - .42
Clove, makers, USP, cns...lb. 1.27 - —
dms.....lb. 1.25 - —
Coconut, Manila, crude, tanks, lb. .06⅝- —
July forward, tanks....lb. .06 - —
Pac. Cst.....lb. .05¾- —
edible, 76°, tax incl., dms., (returnable), c.l...lb. .11¾- —
l.c.l.....lb. .12¾- —
tanks.....lb. .11¼- —
Cod, Newfoundland, tanked, bbls..gal. .52 Nom.
Norwegian, shipt, bbls....gal. .41 - .43
Codliver, med., USP, Norwegian, bbls..bbl.25.00 -27.00
for feed purposes, not USP, dms..gal. .50 - .65
Coriander, bots.....lb.19.00 -20.00
Corn, crude, tanks, works..lb. .08¾ Nom.
refd., bbls.....lb. .12 - .12½
Cottonseed, dom., cooking, bbls. lb. .11 - —
salad, bbls.....lb. .11½- —
import., Brazilian semi-refd., dms..lb. .0650 Nom.
British, semi-refd., dms..lb. .07¼ Nom.
Cresote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.10
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.50 -10.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import., cns.....lb.12.00 -12.25
Degras (see D)
Diesel, Bayonne, bulk.....bbl. 2.20 - —
California, 27 plus, bulk..bbl. 1.00 - 1.25
Dill seed, bots.....lb. 3.15 - 3.50
Weed, bots.....lb. 5.00 - 5.50
Dip (See D):—
Erigeron, cns.....lb. 1.45 - 1.55
Eucalyptus, cns.....lb. .46 - .54
dms.....lb. .44 - .51
Fennel, sweet, cns.....lb. 1.05 - 1.10
Fuel, bunker, California, tide-water..bbl. .85 - .95
Gulf Coast.....bbl. 1.00 - 1.05
Louisiana - Arkansas, 10-14, bbl. .65 - .75
N. Y. and N. J. terminals:—
Monday.....bbl. 1.35 - 1.50
Tuesday.....bbl. 1.35 - 1.50
Wednesday.....bbl. 1.35 - 1.50
Thursday.....bbl. 1.35 - 1.50
Friday.....bbl. 1.35 - 1.50
Saturday.....bbl. 1.35 - 1.50
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test..bbl. .95 - 1.05
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test...bbl. 1.10 - 1.15
24-28, 15 and above...bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04⅝- .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .04¾- .05
2, bulk, same basis.....gal. .04½- .04¾
3, bulk, same basis.....gal. .04½- .04¾
4, bulk, same basis.....gal. .04¼- .04¾
Louisiana - Arkansas, 32-36, light straw.....gal. .03⅞- .04
Oklahoma, 28-30.....gal. .03⅝- .03½
32-36.....gal. .03½- .03⅝
36-38.....gal. .03⅝- .03⅞
38-40, straw.....gal. .03⅞- .04
38-40 zero, 60 e.p.....gal. .03⅞- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04⅜- —
Gulf Coast, bulk.....gal. .03½- .03⅝
North Texas, bulk.....gal. .02⅝- .03
Oklahoma, bulk.....gal. .02⅞- .03¼
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 4.75 - 5.25
Bourbon, cns.....lb. 4.00 - 4.50
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.90 - 2.00
Ginger, dist., bots.....lb. 8.00 - 8.50
Guaiac wood, concrete, bots.lb. 3.10 - 3.15
Haarlem, dom., bots.....gross 3.25 - 3.35
import, bots.....gross 3.40 - 3.50
Halibut-liver, dms., A unit-gal. 1,000 A units-gal. .75 - 1.00
Hemlock, cns.....lb. 1.05 - 1.10
Juniper berry, USP, cns.....lb. 1.25 - 1.75
Wood, tech., cns.....lb. .45 - —
Juniper tar, U.S.P.XI, 1,000 lb. dms..lb. .50 nom.
cns.....lb. .55 - —
Lard, common, 1, bbls.....lb. .12¼- —
2, bbls.....lb. .12 - —
extra, bbls.....lb. .13 - —
1, bbls.....lb. .12½- —
headlight, burning, bbls....lb. .14¼- —
prime, ed., bbls.....lb. .14¾- —
ined., bbls.....lb. .14¼- —
winter, strained, extra bbls., lb. .13¼- —
prime, bbls.....lb. .13½- —
Lavandin, cns., 25 lbs.....lb. 2.70 - —
Lavender flower, French, USP, 50% ester, cns...lb. 6.00 - 7.50
U.S.P., 38-42% ester, cns.lb. 5.25 - 6.00
XI, 35% ester, cns....lb. 4.00 - 4.50
XI, 30% ester, cns....lb. 2.80 - 3.00
IX, 30% ester, cns...lb. 2.65 - 2.75
VIII, 30% ester, cns....lb. 2.25 - 2.35

Oil, lavender, garden, cns.....lb. .42 - .45
Spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms.....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.60 - —
Messina, coppers, cns.....lb. 3.40 - 3.75
Lemongrass, native, cns., dms. lb. .50 - .52
Lime, dist., cns.....lb. 6.10 - 6.50
expressed, cans.....lb. 9.50 -10.25
Linaloe wood, cns.....lb. 1.15 - 1.20
Linseed, boiled, bbls., c.l....lb. .1150- —
l.c.l., 5 or more.....lb. .1190- —
less than 5.....lb. .1230- .1250
tanks.....lb. .1090- —
double boiled, bbls., less than 5..lbs. .1250- .1270
raw, bbls., c.l.....lb. .1110- —
l.c.l., 5 or more.....lb. .1150- —
less than 5.....lb. .1190- —
tanks.....lb. .1050- —
Lovage, bots.....lb.41.25 -72.00
Lubricating, at refinery (including U.S. tax 4c.per gal.):—
California, green, 70 vis., tanks..gal. .21¼- —
80, 100 vis., tanks...gal. .24 - —
115, 125 vis., tanks..gal. .26 - —
green, pale, 750, 900 vis., tanks..gal. .21½- —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., tanks..gal. .21⅝- —
pale, red, 100, 140, 1,000 vis., tanks..gal. .21½- —
pale, 75, 175 vis.,tanks.gal. .21⅛- —
Oklahoma, bright stocks, 100-110 D, 0-10 pour tanks..gal. .22 - —
15-25 pour, tanks..gal. .21⅝- —
150-160 D, 0-10 pour tanks..gal. .24 - —
15-25 pour, tanks..gal. .23½- —
150-160 E, 15-25 pour, tanks..gal. .23 - —
190-200 D, 15-25 pour, tanks..gal. .27 - —
200-210 E, 15-25 pour, tanks..gal. .26 - —
neutrals, 0-10 pour, 150 vis., 3 color, tans..gal. .18 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16¼- —
4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks..gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penna., bright, 600 cold test, 10-40 pour, tanks..gal. .29 - —
10-15 pour, tanks..gal. .30 - —
cylinder, 600 fire, tanks, gal. .21½- —
600 flash, tanks.....gal. .24 - —
630 flash, tanks.....gal. .28½- —
635 fire, tanks.....gal. .22 - —
650 fire, tanks.....gal. .23 - —
Warren, E, amber, tanks, gal. .23½- —
neutral, 150 vis...3 color, tanks..gal. .27 - —
180 vis.,3 color,tanks.gal. .31 - —
200 vis..2 color,tanks.gal. .31½- —
spot, Penna., bright, bbls., c.l.. f.a.s..gal. .34 - —
unfiltered, 600 s.r., bbls., f.a.s.gal. .28 - —
600 flash, s.r., bbls., c.l., gal. .32½- —
650 s.r., bbls., c.l., f.a.s., gal. .29 - —
Warren, E, bbls., c.l.,f.a.s, gal. .31 - —
smaller lots, f.o.b.gal. .33½- —
Mace, dist., cns., dms.....lb. 1.40 - 1.42
Mandarin, superior copper...lb. 8.10 - 8.25
Menhaden, crude, tanks, f.o.b. Balto..gal. .45 Nom.
refd., alkali, dms.....lb. .1000- —
tanks.....lb. .0900- —
blown, dms.....lb. .0980- —
kettle-bodied, dms.....lb. .1100- —
light pressed, dms.....lb. .0940- —
tanks.....lb. .0840- —
Mineral, white (see Oil, white mineral)
Mustard, artif., USP., cns...lb. 1.85 - 1.90
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .90 - .95
Neatsfoot cold test, bbls....lb. .18¼- —
extra, bbls.....lb. .12¾- —
1, bbls.....lb. .12½- —
pure, bbls.....lb. .13½- —
special, bbls.....lb. .13¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.115.00 -140.00
Nutmeg, USP, cns., dms...lb. 1.40 - 1.42
Oiticica, dms.....lb. .11 - .11¼
futures.....lb. .11 Nom.
Oleo, 1, bbls.....lb. .13 - —
2, bbls.....lb. .12½- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. 1.50 Nom.
edible, bbls.....gal. 2.40 Nom.
foots, bbls.....lb. .11¼Nom.
sulphonated, 50% (43% fat), dms., c.l..lb. .12 - —
l.c.l.....lb. .12½- —
75% (63% fat), dms., c.l..lb. .15½- —
l.c.l.....lb. .16 - —
80% (68% fat), dms., c.l..lb. .16½- —
l.c.l.....lb. .17 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms..lb. 1.90 - 2.00
Calif., cns.....lb. 2.50 - —
Florida, cns.....lb. 2.50 - 2.65
Messina, USP, coppers.lb. 2.70 - 3.00
West India, cns.....lb. 2.25 - 2.30
Origanum, Spanish, cns.....lb. .90 - 1.00
Orris, Florentine, concrete, extra strong, bots..oz. 5.00 - 5.50
Palm, Niger, cks.....lb. .06 - —
shipment.....lb. .04¾- —
softs, 12%, bulk, shipt....lb. .0500- —
20%, bulk, shipt.....lb. .0490- —
Sumatra, shipment, bulk...lb. .05 Nom.
Palmarosa, cns.....lb. 3.10 - 3.20
Palmkernel, bulk, shipt.....lb. .05¾- —
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05¼- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls. extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots, cns.....lb. 5.00 - 8.50
Peanut, crude, dom., tanks, works..lb. .09½ Nom.
refd., edible,bbls.....lb. .13 Nom.
Pennyroyal, dom., cns.....lb. 1.55 - 1.60
import, cns.....lb. 1.40 - 1.45
Peppermint, natural, cns., dms. lb. 2.40 - 2.50
redist., USP, cns., dms....lb. 2.70 - 2.80
Perilla, dms.....lb. .11¼- .11½
tanks.....lb. .1060- .1080
Petitgrain, Paraguay, cns...lb. 1.10 - 1.25

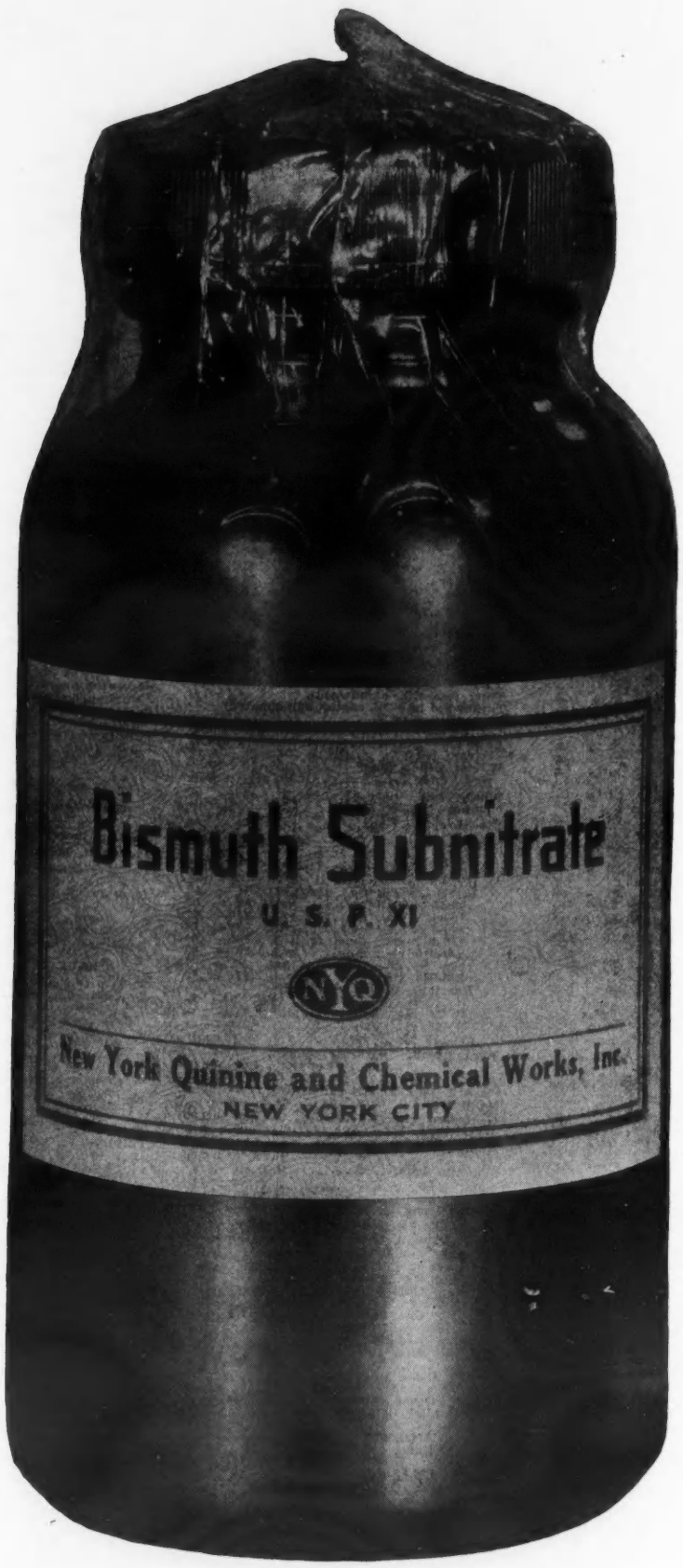
Oil, pimento berry, cns.....lb. 4.00 - 4.25
leaf, cns.....lb. 2.50 - 2.60
Pine, dest.-dist., straw-color, dms., dlvd., E. ports...gal. .52 - .55
steam-dist., dms.....gal. .69 - —
tanks.....gal. .64 - —
Pineneedle, Siberian, cns....lb. .90 - 1.00
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts.....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14 - .14¼
denat., bbls.....gal. .95 - —
Red, dist. or saponif., bbls., dlvd..lb. .11⅝- .12⅝
dms., dlvd.....lb. .11½- .12½
tanks, dlvd.....lb. .10¾- —
white, dms.....lb. .13½- .14½
Rose, artif., bots.....oz. 2.00 - 3.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .60 - .65
dms.....lb. .55 - .60
Rosin, 1st, rectfd., dms....gal. .58 - .60
2d rectfd., dms.....gal. .60 - .62
3d rectfd., dms.....gal. .64 - .66
Rue, bots.....lb. 2.15 - 2.20
Sage, cns.....lb. 1.65 - 1.70
Sandalwood, Australia, cns., lb. 4.50 - 5.00
E.I., USP, cns.....lb. 5.25 - 5.50
Sardine, crude, tanks, Pac. Cst., gal. .52 Nom.
refd., alkali, dms.....lb. .1000- —
tanks.....lb. .0900- —
kettle-bodied, dms.....lb. .1100- —
light, pressed, dms.....lb. .0940- —
tanks.....lb. .0840- —
Sassafras, artif., cns.....lb. .41 - .42
dms.....lb. .39 - .40
natural, cns., dms.....lb. .90 - 1.05
Savin, cns.....lb. 1.50 - 1.60
Savory, cns.....lb. 3.15 - 3.20
Sesame, dom., refd., white, dms. lb. .12 Nom.
Shingle stain, bbls., c.l., works, gal. .17½- —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14½- —
Snakeroot, Canada, cns.....lb.10.00 -11.00
Soybean, dom., crude, dms..lb. .1010- .1050
tanks.....lb. .0950- —
refd., dms.....lb. .1110- .1150
tanks.....lb. .1050- .1090
Spearmint, USP cns.....lb. 1.90 - 2.00
Sperm, bleach, 38°, dms....lb. .1000- .1020
45°, dms.....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cans.....lb. 1.05 - 1.10
Sweet birch, North, cns.....lb. 3.00 - 3.75
South, cns.....lb. 1.65 - 2.00
Tallow, acidless, bbls.....lb. .12½- —
tanks.....lb. .12 - —
Tansy, cns.....lb. 3.50 - 3.75
Tar, commi., dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports.....gal. .25 - —
l.c.l.....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T)
Teaseed, crude, dms.....lb. .09½- .09¾
refined, dms.....lb. .12½- .12¾
Thyme, NF, red, dms.....lb. .85 - 1.25
white, dms.....lb. .80 - 1.35
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T)
Turtle, cns.....gal. 4.25 - 5.00
Valerian, bots.....lb.12.00 -14.00
Vetiver, bots.....lb. 9.00 -16.50
Walnut, crude, dms.....lb. .13 Nom.
refd., dms.....lb. .14 Nom.
Whale, refd., natural, dms..lb. .1050- .1070
winter, bleach, dms.....lb. .1090- .1110
Wheat germ, cns., dms....gal.27.50 -30.00
White, mineral, dom., tech., 50-60 vis., dms.....gal. .42 - .44
65-75 vis., dms.....gal. .44 - .46
80-90 vis., dms.....gal. .45 - .47
U.S.P., 80-90 vis., dms.gal. .54 - .56
95-105 vis., dms.....gal. .63 - .65
125-135 vis., dms.....gal. .75½- .77½
140-150 vis., dms.....gal. .76½- .78½
175-185 vis., dms.....gal. .78½- .80¾
200-210 vis., dms.....gal. .80 - .82
320-330 vis., dms.....gal. .85½- .87½
335-345 vis., dms.....gal. .87 - .89
Russian, 80-90 vis., dms. gal. 54- —
145-155 vis., dms.....gal. .74½- —
175-185 vis., dms.....gal. .76½- —
335-345 vis., dms.....gal. .85 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.35 - 3.75
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.80 - 2.90
Wormwood, cns.....lb. 3.00 - 3.25
Ylang-ylang, Bourb., bots., cns. l.c.l. lb. 3.50 - 6.00
Manila, bots.....lb.18.00 -24.00
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, chrome (see Yellow, chrome).
Lake, Persian, bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .11¾- —
Ariz., Idaho, Nev.,Utah and E. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Colo., Mont., N.M.,Wyo. lb. .12 - —
Other points.....lb. .11½- —
smaller lots, dlvd. Ala., etc..lb. .12¼- —
Ariz., etc.....lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
Other points.....lb. .12 - —
French, Tours, csks., ex dock..lb. .17 - —
kgs., ex dock.....lb. .18½- —
Molybdate, bbls.....lb. .31 - —
Peel, bitter, bls.....lb.. .08 - .09
Sweet, bls.....lb. .10 - .11
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .40
Orris root, Florentine, bgs....lb. .08 - .09
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .08 - .09
powd., bxs, cs.....lb. .11 - .12
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroaniflin, dms....lb. .60 - .75
Orthochlorophenol, dms.....lb. .85 - .75
Orthocresol, dms., c.l., works..lb. .13¼- —
l.c.l., same basis.....lb. .14½- —
Orthodichlorobenzene, dms, c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., dms., same basis...lb. .07 - —
100 lb. tins, same basis.lb. .08 - —
50 lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Othonitroaniiin, dms.....lb. .55 - —
Orthonitrochlorobenzene, kgs..lb. .28 - .29
Orthonitroparachlorophenol,cns.lb. .70 - .75
Orthonitrotoluene, dms.....lb. .07 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05

## Oil, Cajeput—Petroleum

Orthotoluidin, dms.....lb. .14 - —
Osage orange extract, cryst.,bbls. lb. .17 - .19
liquid, 51°, bbls.....lb. .07 - .08
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

# P

Papain, powd., cs.....lb. 1.20 - 1.25
Paprika, Hungarian, extra fancy, bgs..lb. .20½- .20¾
medium, bgs.....lb. .20½- .21
Spanish, extra fancy, cs....lb. .31 - .32
fair, bgs.....lb. .25 - .26
fancy, bgs.....lb. .29 - .30
medium, bgs.....lb. .27 - .27½
Para-aminoacetaniiide, kgs....lb. .85 Nom.
Para-amylphenol, tertiary, dms., c.l.,works..lb. .28 - —
Parachlorophenol, dms.....lb. .30 - .45
Paracymene, rfd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms.....lb. .16 - .20
kgs.....lb. 18 - .25
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .02½ Nom.
bbls., c.l., N.Y.....lb. .0275- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .02¾ Nom.
bbls., c.l., N.Y.....lb. .0280- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02⅝ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0445- —
export, f.a.s., N. Y..lb. .0440- —
125-127 A.m.p., bgs., c.l..lb. .0455- —
export, f.a.s., N. Y..lb. .0445- —
128-130 A.m.p., bgs., c.l..lb. .0480- —
export, f.a.s., N. Y. lb. .0495- —
130-132 A.m.p., bgs., c.l..lb. .0495- —
export, f.a.s., N. Y..lb. .0490- —
133-135 A.m.p., bgs., c.l..lb. .0555- —
export, f.a.s., N. Y..lb. .0545- —
135-137 A.m.p., bgs., c.l..lb. .0580- —
export, f.a.s., N. Y..lb. .0595- —
138-140 A.m.p., bgs., c.l..lb. .0635- —
143-145 A.m.p., bgs., c.l..lb. .0790- —
refined paraffin prices in cases are ½c. lb. higher than bags price
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03¼- —
semirfd., solid, 122-124 A.m.p., bgs..lb. .02¾- Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lb. shipments, same basis..lb. .35 - —
Paraldehyde, tech., dms., wks.lb. .16 - .18
USP, cbys.....lb. .37 - .45
Paranitroanilin, kgs., c.l., works. lb. .45 - —
l.c.l., works.....lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .23½- .24
Paranitrophenol, kgs.....lb. .35 - .37
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - .75
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .14 - .15
Paris green, dealer, dms., c.l., f.o.b. N. Y., frt. all'd E. of Cleve..lb. .22 - .24
1,000 lbs. and up, same basis, lb. .23 - .25
less than 1,000 lbs., same basis..lb. .24 - .26
Passion flower herb, bls.....lb. .06½- .07
Patchouli leaves, bls.....lb. .15 - .16
Pellitory root, bls.....lb. .16 - .17
Pennyroyal, bls.....lb. .13 - .14
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .09½- —
laboratory grade, dms., c.l., G.3..gal. .16 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bgs...lb. .10 - .10⅛
Lampong, bgs.....lb. .05¾- .06
Tellicherry, bgs.....lb. .10½- .11
Red, birdseye, bgs.....lb. .14¾- .15½
new crop.....lb. No stocks.
Japanese 1, bgs.....lb. .12¾- .13¼
Mombassa, bgs.....lb. .17 - .17½
White, Java, Muntok, bgs...lb. .09¾- .10
Singapore, Muntok, bgs....lb. .09¾- .10
Peppermint leaves, dom., bls..lb. .25 - .26
import, bls.....lb. .35 - .40
Peru balsam, dms.....lb. 1.05 - 1.10
Petrolatum, amber, bbls., c.l., lb. .02¾- .03
l.c.l.....lb. .04 - .04¼
extra, bbls.....lb. .03½- .03¼
l.c.l.....lb. .04¼- .04½
cream (see white, cream)
green (see red)
red, veterinary, bbls., c.l....lb. .02¾- .02⅞
l.c.l.....lb. .03¾- —
white, cream, bbls., c.l.....lb. .05 - .05¼
l.c.l.....lb. .06¾- —
lily, bbls., c.l.....lb. .06 - .06¼
l.c.l.....lb. .07¾- —
snow, bbls., c.l.....lb. .07 - .07¼
l.c.l.....lb. .08¾- —
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .95
Athens.....bbl. .84 - 1.66
Belridge.....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Coalinga.....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Dominguez.....bbl. .79 - 1.00
East Coyote.....bbl. .76 - .96
Elk Hills.....bbl. .70 - 1.68
Elwood Terrace, f.o.b. shipbbl. 1.28 - 1.43
Huntington Beach.....bbl. .78 - 1.22
Inglewood.....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Kern River.....bbls. .70 - —
Kettleman Hills.....bbl. 1.19 - 1.43
La Habra.....bbl. .76 - .96
Lakeview.....bbl. .70 - 1.38
Lost Hills.....bbl. .70 - 1.32
McKittrick.....bbl. .70 - —
Midway - Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello.....bbl. .77 - 1.43
Mt. Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall.....bbl. .70 - —
Olinda Brea.....bbl. .76 - 1.27
Orcutt.....bbl. .70 - .93
Playa del Rey, f.o.b. pipeline.....bbl. .80 - 1.16
Richfield.....bbl. .76 - 1.09
Rosecrans.....bbl. .84 - 1.66
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence.....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .83
Whittier.....bbl. .76 - .96
Canada:—
Oil Springs.....bbl. 2.17 - —
Petrolia.....bbl. 2.10 - —




*Accurate*
**CONTROL**
*Protects*
*Consumers*

MANUFACTURERS OF

Bismuth Subcarbonate
Bismuth Subgallate
Bismuth Subnitrate
and other Bismuth Salts
Brucine Alkaloid
Brucine Sulfate
All Salts of Cinchona Alkaloids
Codeine Alkaloid
Codeine Phosphate
Codeine Sulfate
Iodine Resublimed
Iodoform
Menthol-Y
Morphine Alkaloid
Morphine Sulfate
Opium Gum (*Gran. and Powd.*)
Potassium Iodide (*Cryst.-Gran.-Powd.*)
Quinine Sulfate
and other Quinine Salts
Strychnine Alkaloid
Strychnine Sulfate
Thymol Iodide

Chemicals for every purpose for over half a century. For purity always specify N.Y.Q. on your orders. Price list will be sent on request.

*The New York Quinine bottle featured here is unquestionably preferable to any other type. It preserves purity and prevents contamination. The cellophane wrapper protects label, makes it more readable, and prevents possibility of errors.*

NYQ

THE NEW YORK QUININE
&
CHEMICAL WORKS, INC.
99-117 North Eleventh Street
BROOKLYN, NEW YORK

ST. LOUIS DEPOT: 915 Market Street

Petroleum, crude, bulk, at wells:—
Central West:—
Illinois .....bbl. 1.35 - —
Lima .....bbl. 1.25 - —
Midland (Mich.).....bbl. 1.42 - —
Princeton .....bbl. 1.35 - —
East Texas.....bbl. 1.35 - —
Gulf Coast:—
Barber's Hill.....bbl. .95 - 1.41
Batson .....bbl. .95 - 1.41
Dayton .....bbl. .95 - 1.41
Esperson .....bbl. .95 - 1.41
Goose Creek.....bbl. .95 - 1.41
Hull .....bbl. .95 - 1.41
Humble .....bbl. .90 - 1.41
Liberty .....bbl. .90 - 1.41
Markham .....bbl. .90 - 1.29
Orange .....bbl. .95 - 1.41
Pettus .....bbl. 1.37 - —
Pierce Junction.....bbl. .95 - 1.41
Refugio .....bbl. .95 - 1.41
Saratoga .....bbl. .95 - 1.41
Saxet .....bbl. .90 - 1.41
Sour Lake .....bbl. .90 - 1.41
Spindle Top.....bbl. .95 - 1.41
Sugarland .....bbl. .95 - 1.41
West Columbia.....bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.42 - —
Kentucky river.....bbl. 1.50 - —
Western Kentucky (Owensboro)..bbl. 1.40 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .90 - 1.22
Caddo .....bbl. .90 - 1.22
Cameron Meadows....bbl. .90 - 1.30
Choctaw .....bbl. .90 - 1.30
Cotton Valley.....bbl. .90 - 1.22
Darrow .....bbl. .90 - 1.30
De Soto.....bbl. .90 - 1.22
El Dorado.....bbl. .90 - 1.22
Haynesville .....bbl. .90 - 1.22
Homer .....bbl. .90 - 1.22
Iowa .....bbl. .90 - 1.30
Lockport .....bbl. .90 - 1.30
Miller County.....bbl. .90 - 1.22
Pine Island.....bbl. .90 - 1.22
Rainbow .....bbl. .90 - 1.22
Rodessa .....bbl. .90 - 1.22
Smackover .....bbl. .90 - —
Topetate .....bbl. 1.24 - —
Urania .....bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. 1.05 - —
Tax, 13.868c. per bbl.
Tuxpan .....bbl. No Prices.
Tax, 22.625c. per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.20
Oklahoma-Kansas ....bbl. .98 - 1.30
Altus, Tipton (Okla.), bbl. .96 - 1.20
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany ....bbl. 2.82 - —
Corning .....bbl. 1.42 - —
Pennsylvania grade, in Buckeye lines..bbl. 2.37 - —
Eureka lines.....bbl. 2.52 - —
S.W. Penn lines....bbl. 2.57 - —
lower district in National Transit lines.bbl. 2.77 - 2.82
Rocky Mountain:—
Big Muddy .....bbl. 1.18 - 1.23
Cannon City-Florence.bbl. 1.10 - —
Cat Creek .....bbl. 1.40 - —
Dutton Creek .....bbl. 1.06 - 1.30
Elk Basin .....bbl. 1.30 - —
Fort Collins-Wellington... bbl. 1.01 - 1.25
Frannie, light .....bbl. .82 - —
Grass Creek .....bbl. 1.30 - —
Greybull .....bbl. 1.30 - —
Iles .....bbl. 1.12 - 1.18
Lance Creek .....bbl. .97 - —
Midway .....bbl. 1.06 - 1.30
Rock Creek .....bbl. 1.20½- —
Salt Creek .....bbl. 1.06 - 1.30
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County .....bbl. .98 - 1.25
Cleveland-Liberty ....bbl. 1.27 - —
Conroe .....bbl. 1.20 - 1.44
Darst Creek .....bbl. 1.09 - —
Duval .....bbl. 1.00 - —
Hardin-Liberty .....bbl. 1.15 - —
Luling .....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando .....bbl. .90 - 1.36
Panola County .....bbl. .93 - 1.25
Salt Flat .....bbl. 1.09 - —
Tomball .....bbl. 1.20 - 1.44
Van .....bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.03
Gray County .....bbl. .96 - 1.08
West Texas:—
Artesia, N. M. .....bbl. .90 - —
Crane .....bbl. .78 - 1.08
Crockett .....bbl. .78 - 1.08
Ector .....bbl. .78 - 1.08
Glasscock .....bbl. .78 - 1.08
Hogback .....bbl. 1.33 - —
Howard .....bbl. .78 - 1.08
Jackson, N. M. .....bbl. .90 - —
Lea, N. M.....bbl. .78 - 1.08
Maljamar, N. M. ....bbl. .90 - —
Mitchell .....bbl. .78 - 1.08
Pecos .....bbl. .91 - —
Upton .....bbl. .78 - 1.08
Winkler .....bbl. .78 - 1.08
Ether, 30-60°, dms., c.l., G. 3. gal. .15 - —
l.c.l., G.3.....gal. .17 - —
tanks, G.3 .....gal. .13 - —
55-60°, dms., l.c.l., G.3....gal. .35 - —
40-75°, dms., c.l., G.3....gal. .15 - —
l.c.l., G.3.....gal. .16 - —
tanks, G3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .16 - —
c.l., G.3 .....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California 60,169 i.b.p., 263 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11¼- —
f.o.b. Richmond..gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12½
Group 3, tanks.....gal. .08¾- .08¾
Naphtha, cleaners, at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .07⅝- .07⅝
tankwagon, Boston, ex-tax, gal. .13 - —
Chicago, inc. 4c. tax..gal. .171 - —
Decatur, inc. 4c. tax..gal. .19½- —
Des Moines, inc.4c.tax.gal. .193 - —
Evansville, ind., ex tax.gal. .146 - .156
Milwaukee, inc. 5c. tax, gal. .206 - —
Minneapolis-St. Paul, inc. 4c. tax..gal. .199 - —
Newark, ex tax.....gal. .12 - —
New York, ex tax....gal. .12 - —
Omaha, ex tax.....gal. .149 - .159
Oklahoma City, ex tax.gal. .15 - .16
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 3c. tax.gal. .162 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —
milk cans.....gal. .21 - —
Tulsa, ex tax.....gal. .15 - .16

Petroleum, naphtha, high solvency, aromatic 8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J..gal. .17 - —
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt..gal. .16½- —
30, same basis.....gal. .18¾- .19
40, same basis.....gal. .14½- .15½
hydrogenated, 1, tanks, f.o.b. Bayway, frt. equaled nearest comp. pt..gal. .16 - —
2, same basis.....gal. .18 - —
3, same basis.....gal. .16 - —
4, same basis.....gal. .18 - —
V.m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p. tanks, delvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .11 - —
Group 3, tanks.....gal. .07⅝- .07⅝
tankwagon, Boston, ex tax. gal. .13 - .14
Chicago, inc. 4c. tax..gal. .181 - —
Decatur, inc. 4c. tax..gal. .195 - —
Des Moines, inc.4c.tax.gal. .193 - —
Evansville, Ind.,ex tax.gal. .146 - .161
Milwaukee, inc. 5c.tax.gal. .208 - —
Minneapolis-St. Paul, inc. 4c. tax..gal. .199 - —
Newark, ex tax.....gal. .13½- —
New York, ex tax.....gal. .12½- —
Omaha, ex tax.....gal. .149 - .159
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 3c. tax.gal. .162 - —
solvent, rubber, at refinery, East Coast, tanks..gal. .10 - —
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .07⅝- .07⅞
standard, 180 i.b.p., 388 e.p., tanks, gal. .07⅝- .07⅞
Stoddard (CS 3-28), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06¾- .07⅝
tankwagon, Boston, ex tax. gal. .12½- .13½
Chicago, inc. 4c. tax...gal. .166 - —
Decatur, inc. 4c. tax..gal. .185 - —
Des Moines, inc. 4c.tax.gal. .183 - —
Evansville, Ind.,ex tax.gal. .139 - —
Milwaukee, inc. 5c. tax, gal. .198 - —
Minneapolis-St. Paul, inc. 4c. tax..gal. .17 - —
Newark, ex tax.....gal. .11½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .11½- —
Oklahoma City, ex tax.gal. .12 - .13
Omaha .....gal. .139 - .149
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 3c. tax.gal. .146 - —
Tulsa, ex tax.....gal. .10 - .11
thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash...gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore. gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks..gal. .10 - —
47-49, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06¾- .06⅞
Pennsylvania, tanks....gal. .07¼- —
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .13½
25-99 gals.....gal. .13½- .16½
Boston .....gal. .12½- .13½
Bridgeport, Conn.....gal. .13 - —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .115 - .135
Chicago .....gal. .178 - —
Decatur, Ill.....gal. .185 - —
Des Moines.....gal. .163 - —
Evansville, Ind.....gal. .139 - .149
Milwaukee .....gal. .198 - —
Minneapolis-St. Paul...gal. .189 - —
Newark .....gal. .11½- .13½
New York (200 gals.).gal. .11½- —
smaller lots.....gal. .12 - —
Omaha .....gal. .109 - .149
Philadelphia .....gal. .115 - .135
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12½- .13½
Rochester .....gal. .12 - .16
St. Louis.....gal. .152 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .12 - .14
Wilmington, Del.....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.85 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.50 - —
cns., 25 lbs.....lb. 4.75 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13¼- .14¼
l.c.l., same basis.....lb. .14 - .15
tanks, works.....lb. .12¾- —
tins, c.l., same basis.....lb. .14¼- .15¼
l.c.l., same basis.....lb. .15 - .16
Phenolphthalein, USP, bbls.,dms. 2,000-lb. lots...lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetadehyde, bots.....lb. 2.25 - 3.50
Phenylhydrazin hydrochloride,CP, bots., works..lb. 3.30 - 5.10
commercial, kgs., works...lb. 3.30 - 6.50
pure, bots., works.....lb. 2.95 - 3.25
Phloroglucinol, CP, tins,works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines... long ton. 2.35 - —
72% min., bulk, mines..... long ton. 2.85 - —
75% basis, 74% min., bulk, mines..long ton. 3.85 - —
Tenn., 72%, bulk, mines..... long ton. 4.50 - —
75%, bulk, mines...long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .24 - .30
Oxychloride, cyls.....lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —

Pichi leaves, bgs.....lb. .08 - .10
Pilocarpine hydrochloride, bots., vls..oz. 2.50 - 2.75
Nitrate, bots., vis.....oz. 2.40 - 2.65
Pimento, bgs.....lb. .12½- .12¾
Pinkroot, bls.....lb. .40 - .45
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time, dm., c.l., divd. Akron..ton.21.50 -22.50
f.o.b. works.....ton.16.00 - —
Linseed, dms.....lb. .04¾- .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .13
Podophyllin, fib., dms., 100 lbs., lb. 3.60 - —
cns., 25 lbs.....lb. 3.85 - —
Poke root, bls.....lb. .06½- .07
Pomegranate bark, bgs.....lb. .18 - .19
Root bark, bgs.....lb. .40 - .41
Poppy flowers, red, bls.....lb. .40 - .42
Seed, Dutch, bgs.....lb. .07¼- .07⅝
Polish, bgs.....lb. .07⅛- .07½
Potash acetate, USP, fib., dms., 350 lbs..lb. .28 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
gran., bbls., 250 lbs.....lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
Bichromate, spot, c.l., works.. lb. .06¾- —
6 casks or 10 bbls., or over, works..lb. .06¾- —
5 casks or 9 bbls. or less, works..lb. .09 - —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .15½- .18
Bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works—lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
liquid, dms., c.l., divd....lb. .02⅞- —
l.c.l., 10 dms. or over..lb. .03¼- —
less than 10 dms....lb. .03½- —
tanks, divd.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import., dms.....lb. .07 - .07½
liquid, 45% basis, dms....lb. .03½- .03¾
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, csks.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09½
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .08¾
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .19 - .28
Citrate, USP, gran., bbls., 250 lbs..lb. .35 - —
kgs., 100 lbs.....lb. .36 - —
cns., 50 lbs.....lb. .37 - —
cns., 25 lbs.....lb. .39 - .40
Cyanide, cns., dms.....lb. .55 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots,..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs..lb. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs..lb. .30 - —
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bbls., bots., 5 lbs....lb. 3.17 - —
cns., 25 lbs.....lb. 3.05 - —
Iodide, bbls., 250 lbs.....lb. .93 - —
bots., or cns.....lb. 1.02 - 1.28
dms. .....lb. .95 - .96
Kainit, 20% $K_2O$, bulk, c.l.f. ports..ton.12.00 - —
July, 1937-May, 1938.ton.12.75 - —
Prices for potash kainit, manure salt, muriate, sulphate and potash magnesia-sulphate for July, 1937-May, 1938 are subject to discount according to time orders are placed and time of delivery. See fertilizer market report for particulars.
Manure salt, dom., run of mine, approx. 30% $K_2O$, bulk, c.l.f. ports..unit-ton. .55 - .58½
July, 1937-May, 1938, unit-ton. .58½- —
import., 30% $K_2O$,bulk,shipt. unit-ton. .55 - —
July, 1937 - May, 1938, unit-ton. .58½- —
Metabisulphite, kgs.....lb. .11 - .12
Muriate, dom., all strengths, min. 50% $K_2O$, bulk..... unit-ton. .50 - .53½
July, 1937 - May, 1938. unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% $K_2O$, bulk, c.l.f. ports..unit-ton. .50 - —
July, 1937-May, 1938, unit-ton. .53½- —
Potash muriate prices in bags are $2 ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Perchlorate, kgs., works.....lb. .09 - .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .35 - .37
Yellow, bbls.....lb. .15 - .16
Silicate alkaline, lump, bags.lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports..ton.36.25 - —
July, 1937 - May, 1938, ton.38.00 - —
Vegetable, bulk, f.o.b. Balto.ton.19.97 Nom.
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.24.75 - —
July, 1937-May, 1938..ton.25.75 - —
Potash-titanium oxalate, kgs..lb. .33 - .38
Prickly ash bark, bls.....lb. .11½- .15
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .18 - .20
Propane, tanks, G.3.....gal. .03 - .04¾
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .18 - .19
Pumice stone, Italian,Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works...lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03¼- —
less than 3, works...lb. .04 - —

## Petroleum—Red Cadmium

Pumice stone, Ital., Amer. grd., 0, 0-½, 0-¾, and ½, bbls., 3 or over, works lb. .04 - —
less than 3, works...lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock N.Y..ton.32.85 Nom.
l.c.l., 5-29 tons, ex whse. ton.37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs.,ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .11 - .14
Purple lake (see Red).
Putty, com'l., dms., 1,000 lbs. 100 lbs. 2.90 - —
600-999 lbs.....100 lbs. 3.10 - —
100-499 lbs.....100 lbs. 3.25 - —
linseed oil, raw, dms., 1,000 lbs. 100 lbs. 4.65 - —
500-999 lbs.....100 lbs. 4.85 - —
100-499 lbs.....100 lbs. 5.00 - —
refined, dms., 1,000 lbs.100 lbs. 5.15 - —
500-999 lbs.....100 lbs.5.35 - —
100-499 lbs.....100 lbs. 5.50 - —
standard, dms., 1,000 lbs. 100 lbs. 3.65 - —
500-999 lbs.....100 lbs. 3.85 - —
100-499 lbs.....100 lbs. 4.00 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand..gal. 4.25 - 4.50
basis, 3.6% pyethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand..gal. 6.37 - 6.75
Pyrethrum flowers, coarse, grnd. (g.f.p.), Japan, bgs., frt. alld., 15 tons or over, lb. .14¾- —
fine powd. Japan, bbls., ton lots, frt. alld..lb. .17¾- —
Pyridin, denaturing, dms.....gal. 1.55 - —
refd., 2° dms.....lb. .45 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .19-.18 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyroxylin scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works..lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

# Q

Quassia, chips, bls.....lb. .06 - .07
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03½- —
tanks, works.....lb. .03 - —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow herb, bgs..lb. .06 - .07
Root, bgs.....lb. .06 - .07
Quercitron, extract, liquid, 51°, bbls..lb. .06 - .08
solid, dms.....lb. .10 - .12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y..flask.97.00 -99.00
Quince seed, bgs.....lb. .75 - 1.50
Quinidine, cryst., small, cns...oz. .96 - —
large, cns.....oz. .92 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .87 - —
Quinine, 100 ozs., cns.....oz. .74 - —
Acetate, cns.....oz. .96 - —
Arsenate, cns.....oz. .98 - —
Arsenite, cns.....oz. 1.00 - —
Bisulphate, cns.....oz. .53 - —
Citrate, cns.....oz. .71 - —
Dihydrobromide, bots.....oz. .74 - —
Dihydrochloride, bots.....oz. .74 - —
Ethylcarbonate, cns.....oz. .74 - —
Ferrocyanide, cns.....oz. 1.00 - —
Formate, cns.....oz. .92 - —
Glycerophosphate, cns.....oz. 1.15 - —
Hydrochloride, cns.....oz. .66½- —
Hydrochlorosulphate, cns....oz. .74 - —
Hydriodide, cns.....oz. .98 - —
Hypophosphite, cns.....oz. .98 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .72 - —
Sulphate, U.S.P. X, cns....oz. .53 - —
U.S.P. XI, cns.....oz. .59½- —
Sulphocarbolate, cns.....oz. .96 - —
Quinine, tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .96 - —
Valerate, cns.....oz. .92 - —
Quinine-urea hydrochloride cns.oz. 74 - —

# R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .06¾- .06¾
Dutch, bgs.....lb. .06¾- .06¾
Japanese, bgs.....lb. .06¾- .06¾
Raspberries, dried, bbls.....lb. .85 - .90
Red, alizarin lake, bbls., divd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport,Rock Island, St. Louis..lb. 1.10 - —
Alizarin lake prices are ½c. higher divd. Ala., Fla., Ga., Ia. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Amaranth (see Red, maroon, lake)
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
light shade, bbls., ton lots, same basis..lb. .65 - —
smaller lots, same basis, lb. .70 - —
kgs., ton lots, same basis, lb. .70 - —
smaller lots, same basis, lb. .75 - —
light - medium shade, ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —

## Red Cadmium—Slate Flour

Red, cadmium lithopone, light-medium shade, kgs., ton lots, same bases.. lb. .75 - —
smaller lots, same basis. lb. .80 - —
maroon shade, bbls., ton lots, same basis..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 - —
selenide, bbls., ton lots.works. 2.00 - —
smaller lots, works.....lb. 2.50 - —
Orange, bbls., ton lots, works..lb. 1.50 - —
smaller lots, works....lb. 1.75 - —
Carmine 40, cns., 500 lbs....lb. 4.00 - —
100 lbs.....lb. 4.15 - —
11 lbs.....lb. 4.40 - 4.50
Crocus martis (see Red, purple oxide).
Eosin, toner, blue shade, bbls. lb. 1.55 - —
yellow shade, bbls.....lb. 1.40 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Red, lithol toner, bbls., same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.50 - —
Maroon lake, 25%, kgs., same basis alizarin lake,contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. 1.59 - 1.60
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04¼- —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic Rhodamine Y, bbls..lb. 3.50 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Red, scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs.,same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., dlvd...lb. .03¼- —
Toluidin toner, kgs., same basis alizarin lakes..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .30½- —
3, bbls., same basis.....lb. .23½- —
4, bbls., same basis.....lb. .33½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .23 - —
9, bbls., same basis.....lb. .31½- —
10, bbls., same basis.....lb. .18½- —
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion,American, bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lbs..lb. 1.80 - —
smaller lots.....lb. 1.81 - 1.90
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms..lb. 1.84 - 1.86
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst.. bbls.. works....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .08½- .10
Rhodinol, bots.....lb. 5.75 -15.00
Rhubarb root, cs.....lb. .35 - .36
powd., bbls., kgs.....lb. .40 - .42
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .15½- —
smaller lots.....lb. .16 - —
powd., bbls., 5,000 lbs., 1 shipm't..lb. .14½- —
smaller lots.....lb. .15 - —
Rose flowers, pale, bls.....lb. .22 - .24
Red, bls.....lb. 2.00 - 2.10
Water, triple.....djn. 4.75 - 5.00
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .06½- .08
Rosin, gum, B, bbls., ex dock.. 280 lbs. 8.85 - —
D, bbls.....280 lbs. 9.05 - —
E, bbls.....280 lbs. 9.25 - —
F, bbls.....280 lbs. 9.32½- —
G, bbls.....280 lbs. 9.32½- —
H, bbls.....280 lbs. 9.32½- —
I, bbls.....280 lbs. 9.32½- —
K, bbls.....280 lbs. 9.32½- —
M, bbls.....280 lbs. 9.32½- —
N, bbls.....280 lbs. 9.32½- —
W. G., bbls.....280 lbs. 9.35 - —
W. W., bbls.....280 lbs.10.35 - —
X, bbls.....280 lbs.10.35 - —
Wood, New York, F. F., bbls., 280 lbs. 8.86 - 9.95
K, bbls.....280 lbs. 9.16 -10.25
M, bbls.....280 lbs. 9.26 -10.35
N, bbls.....280 lbs. 9.91 -11.00
Rottenstone, dom., bgs., c.l.,f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
Import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .08¼- .10
Rue, bls.....lb. .21 - .23

## S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.73 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .45 - .50
Spanish, tins.....lb.18.00 -20.00
Safrol, cns.....lb. .50 - .58
dms.....lb. .47 - .55
Sage, Dalmatian, stemless....lb. .06 - .06½
garden, bls.....lb. .06½- .07
Sago flour, bgs.....lb. .03¼- .04¼
Salicin, bots., 5 lbs.....lb. 4.25 - —
cns., 25 lbs.....lb. 4.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.11.80 -12.80
l.c.l., bgs., dlvd., N. Y.ton.14.00 -14.50
vacuum, common, fine, bgs.,c.l., dlvd., N. Y..ton.14.80 - —
l.c.l., dlvd. N. Y.....ton.15.50 - —
Saltcake, grd., dom., bbls., works, ton.19.00 -23.00
bulk, works.....ton.12.00 -16.00
import, bulk, c.i.f.....ton.12.00 -12.50
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.00 - 7.75
1-9 tons.....100 lbs. 7.40 - 7.90
less than ton lots..100 lbs. 7.40 - 8.15
gran., bbls., 10-20 tons.100 lbs. 6.00 - —
1-9 tons.....100 lbs. 6.15 - —
less than ton lots..100 lbs. 6.40 - —
powd., bbls., 10-20 tons.100 lbs. 7.00 - —
1-9 tons.....100 lbs. 7.15 - —
less than ton lots..100 lbs. 7.40 - —
Santonin, cryst., cns.....lb.25.00 -26.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root,Honduras,bls.lb. .45 - .50
Mexican, bls.....lb. .20 - .22
Sassafras bark, ord., bls.....lb. .11 - .12
select, bls.....lb. .22 - .23
Savory, bbls.....lb. .07 - .07½
Saw palmetto berries, bgs.....lb. .27 - .29
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't.....lb. .11¼- —
smaller lots.....lb. .12 - —
kegs, 5,000 lbs., 1 shipm't.lb. .12 - —
smaller lots.....lb. .12½- —
Senega root, bls.....lb. .60 - .63
Senna leaves, Alexandria, bls.lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .10 - .11
2, bls.....lb. .07 - .08
3, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .06 - .07
Serpentaria roots, bls.....lb. .95 - 1.00
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .18½- .19
dlvd. Boston.....lb. .19 - .19½
Chicago.....lb. .19½- .20
Pacific Coast.....lb. .20½- .21
refd., bbls., f.o.b. N. Y....lb. .24 - .25
dlvd. Boston.....lb. .19 - .19½
Chicago.....lb. .19½- .20
Pacific Coast.....lb. .20½- .21
Garnet, bgs.....lb. .16 - .17
Orange, D.C., VSO., Diamond, cases..lb. .24 - .25
superfine, bgs., f.o.b. Bost., N. Y..lb. .14½- .15
dlvd. Chicago.....lb. .15½- .16
Pacific Coast.....lb. .17½- .18
T. N., bgs., f.o.b. Bost., N. Y. lb. .13 - .13½
dlvd., Chicago.....lb. .14 - .14½
Pacific Coast.....lb. .16 - .16¾
Shellac, varnish, orange, 5-lb. cut, bbls..lb. .90 - 1.06
4½-lb. cut, bbls.....gal. .85 - .95
4-lb. cut, bbls.....gal. .80 - .90
white, 5-lb. cut, bbls....gal. 1.05 - 1.15
4½-lb. cut, bbls.....gal. 1.00 - 1.10
4-lb. cut, bbls.....gal. .95 - 1.05
Silica amorph., dry-grd., 95-97%, 325 mesh,bgs.,c.l.,works.ton.17.00 - —
l.c.l., 2¼ tons,works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2¼ tons,works.ton.19.50 - —
smaller lots works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons,works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons,works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons,works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .44¾- —
Govt. purchase.....oz. .7757- —
Nitrate, vis.....oz. .32⅞- .34¼
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Protelnate, bots., cns., 480 ozs., oz. .29 - .30
Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....lb.85.00 -90.00
Skullcap, Eastern, bls.....lb. .25 - .26
Western, bls.....lb. .24 - .25
Skunk cabbage root, bls.....lb. .15 - .16
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00


# NIAGARA CAUSTIC SODA
## CAUSTIC POTASH and CARBONATE OF POTASH
### On Hand for Your Emergencies

● Thirty years of experience can come in mighty handy when you need cooperation in the use of Caustic Potash, Carbonate of Potash or Caustic Soda. So can an ample supply of stocks on hand and the capacity to produce at a fast rate—when you must have a supply at once for an emergency.

*FOR YOUR NEXT REQUIREMENT SEE...*

Niagara
ALKALI COMPANY
60 East 42nd Street, New York, N. Y.
*Associated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine*

Sloe berries, bgs.....lb. .11 - .12
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls.....lb. .13 - .14
Soda, abietate, dms.....lb. .13 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, gran., powd., 99%, dms..lb. .04¼- .05
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .15¾- .16¼
Arsenate, dms., dealers, c.l. works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33

Soda arsenite, dry, gray prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l. works..100 lbs. 1.25 - —
l.c.l., Zone 1.....100 lbs. 2.03 - —
2 .....100 lbs. 2.18 - —
3 .....100 lbs. 2.43 - —
4 .....100 lbs. 2.83 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l., works.....100 lbs. 1.10 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
3 .....100 lbs. 2.38 - —
4 .....100 lbs. 2.78 - —
bbls., c.l.....100 lbs. 1.60 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. 1.05 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
4 .....100 lbs. 2.78 - —
3 .....100 lbs. 2.38 - —
bbls., c.l., works...100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l.....100 lbs. 1.05 - —

Soda ash l.c.l. prices are per 100 lbs. and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. For ex warehouse, deduct 15c. per 100 lbs. from the above prices: out of town shipments, use ex warehouse prices as f.o.b. cars at warehouse stock point. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N.H., Vt.), special local prices apply for shipts, to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs., or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs. or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.15 - —
powd., bbls., c.l., works.. 100 lbs. 1.75 - —
l.c.l., dlvd. N.Y....100 lbs. 2.39 - —
kgs., c.l.....100 lbs. 2.00 - —
l.c.l., dlvd. N.Y....100 lbs. 2.64 - —
Bichromate, spot, c.l., works, lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .06¾- —
5 cks. or 9 bbls. or less, works..lb. .07 - —
Bifluoride, bbls.....lb. .12 - —
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
32 deg., bbls., c.l., works. 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots. 5 lbs.....lb. 6.82 - —
jars, 25 lbs.....lb. 6.50 - —
Carbonate (see Soda ash, soda menohydrated soda, sal)
Caustic, flake, 76% l, grd., powd., ammon. process, bbls., c.l., works..100 lbs. 3.25 - —
dms., c.l., works...100 lbs. 3.00 - —
l.c.l., Zone 1....100 lbs. 3.45 - 4.80
2 .....100 lbs. 3.60 - 4.95
3 .....100 lbs. 3.85 - 5.20
4 .....100 lbs. 4.25 - 5.60
electro process, dms., c.l., works..100 lbs. 2.95 - —
l.c.l, same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 2.22½- —
seller's tanks, works..... 100 lbs. 2.25 - —
76%, buyer's tanks, works, 100 lbs. 2.27½- —
seller's tanks, works..... 100 lbs. 2.30 - —
solid, 76%, ammon. process, dms..c.l., works..100 lbs. 2.60 - —
l.c.l., Zone 1....100 lbs. 3.65 - —
2 .....100 lbs. 3.20 - —
3 .....100 lbs. 3.46 - —
electro process, dms., c.l., works..100 lbs. 2.55 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Soda, chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- .08
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Citrate, USP, VIII, gran., bbls. 225 lb. .21 - —
cns. 50 lbs.....lb. .23 - —
25 lbs.....lb. .25 - .26
kgs., 100 lbs.....lb. .22 - —
USP X, gran., bbls., 250 lbs. lb. .27½- —
cns. 50 lbs.....lb. .29½- —
25 lbs.....lb. .31½- .32½
kgs., 100 lbs.....lb. .28 - —
powd., bbls., 250 lbs.....lb. .28 - —
cns., 50 lbs.....lb. .30 - —
25 lbs.....lb. .32 - .33
kgs, 100 lbs.....lb. .29 - —
Cyanide, 96-98%, dom., dms..lb. .16½- .17¼
import., cs.....lb. .16¼- .17
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07½- —
5-9, same basis.....lb. .08 - —
1-4, same basis.....lb. .08¼- —
95%, bbls., c.l., same basis. lb. .07½- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9 same basis.....lb. .08¼- —
1-4, same basis.....lb. .08½- —

Soda fluoride prices at Los Angeles are f.a.s. Phila.

Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Soda, glycerophosphate, N.F., powd., bbls., 1,000 lb. lots, lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 lbs..lb. .23 - .24
Hypophosphite, N.F., cns., 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bbls., 100 lbs. 2.40 - 2.65
pea, bbls.....100 lbs. 2.50 - 3.05
gran., bbls.....100 lbs. 2.75 - 3.30
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 5.50 - —
jars, 25 lbs.....lb. 5.25 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, cryst., bbls., c.l., works..100 lbs. 2.75 - —
gran., bbls., c.l., works. 100 lbs. 2.15 - —
l.c.l., dlvd.....100 lbs. 2.40 - 2.80
Molybdate, tech., anhyd., kgs., lb. .70 - .75
cryst., kgs.....lb. .60 - .65
Monohydrated, bbls.....100 lbs. 2.00 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, 100-lb. bgs., June dlvy., ports.....ton. 27.50 - —
200-lb. bgs., same basis. ton. 26.80 - —
bulk, same basis.....ton. 25.50 - —
rfd., gran., bbls., 25 c.l. 100 lbs. 2.25 - —
5-24 .....100 lbs. 2.40 - —
1-4 .....100 lbs. 2.65 - —
powd., bbls., ton lots....lb. .05¾- —
smaller lots.....lb. .06¼- —
Nitrite, 96-98%, dom., bbls., c.l. works, frt. equalized..lb. .07 - —

## Sloe—Soda Sesqui.

Soda nitrite, 96-98%, dom., bbls., c.l., West Coast, f.o.b. f.o.b. ports..lb. .08¼- —
l.c.l. .....lb. .08½- .11½
Soda nitrite l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, NF, bbls., c.l., works..lb. .14¾ - —
l.c.l., works.....lb. .15½ —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
bbls., c.l., works...100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.10 - —
monobasic, anhyd., bbls., c.l. 100 lbs. 7.51 - —
l.c.l .....100 lbs. 8.35 - —
tribasic, bgs., c.l., works..... 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
kgs., c.l., works....100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .10 - .11½
Pyrophosphate, anhyd., bbls.lb. .10 - —
cryst., bbls.....lb. .09½- —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .47 - —
Sesquisilicate (dms., c.l., works 100 lbs. 3.00 - —
20 dms. and up, delvd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs 4.10 - —
1-4 dms.....100 lbs. 4.30 - —


● Painstaking horticultural and chemical research has enabled the Insecticide Division of General Chemical Company to bring orchard men two radically new, and superior, agents for the control of fruit pests. ● Improvement of the physical properties of lead arsenate, and the introduction of an astringent* into this primary spray material, have enhanced its adhesive and covering properties, markedly accelerated its toxic action. ● A sharp advancement in the efficiency of non-lead arsenicals (for late cover sprays on pome fruits) has been made by development of a basic zinc arsenate**... a product whose basicity and stability (properties unique in non-lead arsenicals) provide a new degree of safety from injury to fruit and foliage, and lasting toxicity. ● These modern insecticides are, under the most diverse conditions of climate and infestation, rapidly setting new pest control standards for the fruit industry.

* Orchard† Brand ARSENATE of LEAD with ASTRINGENT.
** Orchard† Brand ZINTOX,† a BASIC ZINC ARSENATE.
†REG. U.S. PAT. OFF.

GENERAL CHEMICAL COMPANY
REG. U. S. PAT. OFF.

General Chemical Company has always unstintingly applied every facility of its broad research and production resources toward improving on the generally accepted criteria of quality and service. By affording more than standard purity, more than standard service, it has earned for General Chemical products a reputation for consistent leadership.

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## Soda Silicate—Xylol

| | | |
|---|---|---|
| Soda, silicate, 40° turbid, dms., c.l., works | 100 lbs | .80 - — |
| l.c.l., 5 or more, works, | 100 lbs. | 1.05 - — |
| 1-4, works | 100 lbs. | 1.20 - — |
| 52°, dms., c.l., works | 100 lbs. | 1.25 - — |
| l.c.l., 5 or more, works, | 100 lbs. | 1.60 - — |
| 1-4, works | 100 lbs. | 1.75 - — |
| Silicofluoride, dom., bbls | lb. | .06½- .07 |
| import, bbls | lb. | .06½- .07 |
| Stannate, dms | lb. | .36 - .39 |
| Stearate, lump, bbls., works | lb. | .19 - .30 |
| powd., bbls., works | lb. | .24 - — |
| Sulphate, anhyd., bgs., bbls., c.l., works | 100 lbs. | 1.45 - 1.65 |
| 5 tons or over, works, | 100 lbs. | 1.70 - 1.90 |
| less than 5 tons, works, | 100 lbs. | 1.95 - 2.15 |
| cryst. (see Glauber's salt). | | |
| Sulphide, cryst., bbls., c.l., works | 100 lbs. | 2.25 - — |
| l.c.l., 5 tons or over, dlvd. | 100 lbs. | 2.75 - — |
| less than 5 tons, dlvd. | 100 lbs. | 3.00 - — |
| solid, bbls., c.l., works | 100 lbs. | 3.00 - — |
| l.c.l., 5 tons or over, dlvd. | 100 lbs. | 3.50 - — |
| less than 5 tons, dlvd. | 100 lbs. | 3.75 - — |
| Sulphite, cryst., bgs., works | 100 lbs. | 2.10 - 2.85 |
| bbls. | 100 lbs. | 2.30 - 2.55 |
| powd., bbls., c.l. | 100 lbs. | 5.25 - — |
| l.c.l., 5 or more | 100 lbs. | 5.50 - — |
| 1-4 | 100 lbs. | 6.00 - — |
| Sulphocarbolate, cs | lb. | .27 - .28 |
| Sulphocyanide, dms., cns | lb. | .28 - .47 |
| Sulphoricinoleate, bbls | lb. | .12 - — |
| Thiosulphate (see hyposulphite) | | |
| Tungstate, CP, kgs | lb. | No prices |
| tech., kgs | lb. | No prices |
| Solvent naphtha, high-flash, dms., works, frt. equald. | gal. | .36 - — |
| tanks, same basis | gal. | .31 - — |
| water-white, dms., works | gal. | .35 - — |
| tanks, E. of Omaha, frt. alld. | gal. | .30 - — |
| W. of Omaha, works | gal. | .30 - — |
| Sorbitol, com'l, syrup, dms., basis sorbitol cont., works | lb. | .25 - — |
| Sparteine sulphate, cns | oz. | 1.10 - 1.15 |
| Spearmint leaves, bls | lb. | .20 - .22 |
| Spikenard root, bls | lb. | .12 - .15 |
| Spruce extract, bbls., works | lb. | .01½- — |
| tanks, works | lb. | .01 - — |
| powd., bgs | lb. | .04½- — |
| super, bbls., works | lb. | .01⅞- — |
| tanks, works | lb. | .01½- — |
| Squawvine leaves, bls | lb. | .14 - .15 |
| Squill, red, bls | lb. | .14 - .15 |
| White, bls | lb. | .07 - .08 |
| powd., bbls., bxs | lb. | .12 - .18 |
| St. Ignatius beans, bgs | lb. | .81 - .82 |
| St. John's bread, bls | lb. | .08½- .09 |
| Starch, corn, pearl, bgs | 100 lbs. | 4.33 - 4.53 |
| powd., bgs | lb. | 4.43 - 4.63 |
| Iodide, bots | lb. | 1.87 - — |
| Potato, dom., bgs | lb. | .05½ Nom. |
| import., bgs | lb. | .05½ Nom. |
| Rice, bbls | lb. | .07¼ Nom. |
| Wheat, thick boil, bbls | lb. | .07 Nom. |
| Stavesacre seed, bgs | lb. | .28 - .30 |
| Stearin, oleo, bbls | lb. | .09½- .09¾ |
| Stillingia root, bls | lb. | .09½- .10 |
| Stoneroot, bls | lb. | .06½- .07 |
| Storax, cs | lb. | .33 - .50 |
| Stramonium leaves, bls | lb. | .11 - .12 |
| seed, bgs | lb. | .09 - .10 |
| Strontium bromide, fib, dms., kgs., 150 lbs | lb. | .57 - .58 |
| Carbonate, pure, bbls | lb. | .30 - .31 |
| Iodide, jars, 25 lbs | lb. | 2.70 - — |
| bots., 5 lbs | lb. | 2.76 - — |
| Nitrate, dom., bbls., c.l., works, | lb. | .07¾- — |
| 25 bbls. and over | lb. | .08¼- — |
| 1-4 bbls. and over | lb. | .08¾- — |
| import, bbls | lb. | .08½- .09 |
| Strophanthus seed, Kombe, bgs. | lb. | 1.45 - 1.50 |
| Strychnine, cryst., cns | oz. | .48 - .51 |
| powd., cns | oz. | .38 - .41 |
| Acetate, cns | oz. | .64 - — |
| Arsenate, cns | oz. | .66 - — |
| Arsenite, cns | oz. | .64 - — |
| Glycerophosphate, cns | oz. | .65 - — |
| Hydrochloride, cns | oz. | .64 - — |
| Hydrophosphite, cns | oz. | .75 - — |
| Nitrate, cns | oz. | .58 - — |
| Phosphate, cryst., ens | oz. | .65 - — |
| Sulphate, cryst., cns | oz. | .42 - .45 |
| powd., cns | oz. | .52 - .55 |
| Sucrose octa-acetate, denat. grade, bbls., l.c.l., works | lb. | .45 - — |
| tech., bbls., l.c.l., works | lb. | .40 - — |
| Sugar coloring, bbls | gal. | .75 - 1.10 |
| Milk, bbls., c.l. | lb. | .13 - — |
| l.c.l., 10 or over | lb. | .15 - — |
| less than 10 | lb. | .16 - .17 |
| Sulphonethylmethane, kgs | lb. | 6.75 - 6.80 |
| Sulphonmethane, kgs | lb. | 5.25 - 5.30 |
| Sulphur, crude, bulk, 1,000 tons, mines, contracts | long ton. | 18.00 - — |
| c.l., spot, nearby | long ton. | 21.00 - — |
| ex vessel, Balto., N. Y., Phila., Southern ports, | long-ton. | 22.00 -25.00 |
| Bost., Portland | long ton. | 22.50 -25.50 |
| flowers, bgs., c.l., works, | 100 lbs. | 3.00 - — |
| bbls., works | 100 lbs. | 3.25 - — |
| l.c.l., bgs., works | 100 lbs. | 3.35 - 3.75 |
| bbls., works | 100 lbs. | 3.70 - 4.10 |
| refined, broken, bgs., c.l., works | 100 lbs. | 2.15 - — |
| bbls., works | 100 lbs. | 2.30 - — |
| l.c.l., bgs., works | 100 lbs. | 2.50 - 2.90 |
| bbls., works | 100 lbs. | 2.65 - 3.05 |
| flour, com'l., bgs., c.l., works, | 100 lbs. | 1.65 - — |
| bbls., c.l., works | 100 lbs. | 1.95 - — |
| l.c.l., bgs., works | 100 lbs. | 1.95 - 2.35 |
| bbls., bbls., works | 100 lbs. | 2.30 - 2.70 |
| extra fine, bgs., c.l., works, | 100 lbs. | 2.85 - — |
| bbls., works | 100 lbs. | 3.20 - — |
| heavy, bgs., c.l., works, | 100 lbs. | 2.55 - — |
| bbls., works | 100 lbs. | 2.90 - — |
| l.c.l., bgs., works | 100 lbs. | 2.90 - 3.30 |
| bbls., works | 100 lbs. | 3.25 - 3.65 |
| light, bgs., c.l., works | 100 lbs. | 2.65 - — |
| bbls., works | 100 lbs. | 3.00 - — |
| l.c.l., bgs., works | 100 lbs. | 3.00 - 3.40 |
| bbls., works | 100 lbs. | 3.35 - 3.75 |
| rock, virgin, bbls., c.l., works, | 100 lbs. | 2.30 - — |
| l.c.l., bbls., works | 100 lbs. | 2.15 - — |
| roll, bgs., c.l., works | 100 lbs. | 2.35 - — |
| bbls., works | 100 lbs. | 2.50 - — |
| l.c.l., bgs., works | 100 lbs. | 2.70 - 3.10 |
| bbls., works | 100 lbs. | 2.85 - 3.25 |
| Chloride, 55-gal. dms., c.l | lb. | .03 - — |
| l.c.l., dms., works | lb. | .04 - — |
| 10-gal. dms., c.l | lb. | .07 - — |
| l.c.l. | lb. | .08 - — |
| Sulphur, dioxide, liq., com'l, cyls., works | lb. | .07 - .09 |
| multi-unit cars, works | lb. | .04½- .07 |
| tanks, works | lb. | .04 - .05 |
| refrigeration, cyls., works | lb. | .16 - .40 |
| multi-unit cars, works | lb. | .07½- .10 |
| Iodide bots., jars | lb. | 3.80 - 3.85 |
| Sumac, grd., Sicilian, bls | ton. | 59.00 - — |
| leaf, bales | ton. | 64.00 - — |
| Extract, 42°, bbls | lb. | .05¼- .06¼ |
| 51°, bbls | lb. | .06½- .08½ |
| stainless, bbls | lb. | .08½- .09¼ |
| Sunflower seed, Calif., large, bgs. | lb. | .07 - .07½ |
| medium, bgs | lb. | .06¼- .06¾ |
| poultry, bgs | lb. | .05¾- .06¼ |
| Hungarian medium, bgs | lb. | .06¼- .06¾ |
| Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. | ton. | 8.50 - — |
| run-of-pile, basis 16%, bulk, same basis | ton. | 8.00 - — |
| triple, 44-45%, a.p.a. bulk, f.o.b. Balto | unit-ton. | .70 Nom. |

## T

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|---|---|---|
| Talc, dom., Calif., 1, bgs., c.l., mills | ton. | 20.00 - — |
| 2, bgs., c.l., mills | ton. | 17.00 - — |
| N.Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills | ton. | 14.00 - — |
| l.c.l., mills | ton. | 16.00 - — |
| 96.98%, 325 mesh, bgs., c.l., mills | ton. | 15.00 - — |
| l.c.l., mills | ton. | 17.00 - — |
| 98-99½% 325 mesh, bgs., c.l., mills | ton. | 15.25 - — |
| l.c.l., mills | ton. | 17.25 - — |
| 99.85-99.95% 325 mesh, bgs., c.l., mills | ton. | 17.00 - — |
| coarse, off color, bgs., c.l., mills | ton. | 11.00 -13.00 |
| Ohio, alum-magn. type, grd., bgs., c.l., mills | ton. | 21.00 - — |
| l.c.l., mills | ton. | 24.00 - — |
| Vermont, bgs., c.l., mills | ton. | 14.00 - — |
| l.c.l., ex whse | ton. | 25.00 - — |
| import, Canad., bgs., c.l., dlvd | ton. | 28.00 - — |
| l.c.l., dlvd | ton. | 28.50 - — |
| French, high-grade, bgs., l.c.l., ex whse | ton. | 45.00 -60.00 |
| ordinary, bgs., c.l., ex dock, arrival | ton. | 23.00 -25.00 |
| l.c.l., ex whse | ton. | 27.50 -32.50 |
| Italian, 1, bgs., ex dock, arrival | ton. | 65.00 -67.00 |
| ex whse | ton. | 85.00 - — |
| 2, bgs., ex dock, arrival | ton. | 60.00 -62.00 |
| Tallow, animal, edible, bbls | lb. | .09 Nom. |
| extra, loose, works | lb. | .08⅝- — |
| special, loose, works | lb. | .08½- — |
| sulphonated 35% (24% fat), dms., c.l. | lb. | .07 - — |
| l.c.l. | lb. | .07½- — |
| 50% (43% fat), dms., c.l. | lb. | .07½- — |
| l.c.l. | lb. | .08 - — |
| 50% (48% fat), dms., c.l. | lb. | .08 - — |
| l.c.l. | lb. | .08½- — |
| Tamarinds, W. I., bbls | lb. | .06½- .07 |
| kegs | keg. | 5.00 - 5.25 |
| Tankage, animal, dom., grd., 10-12% ammon., 15-20% b.p.l., bulk | unit-ton. | 3.50 & .10 |
| unground, 9-11% ammon., 15-20% b.p.l., bulk | unit-ton. | 3.50 & .10 |
| fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk, Chicago | unit-ton. | 3.25 & .10 |
| high-grade feeding, bulk, Chicago | unit-ton. | 3.25 & .10 |
| import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, July shipt. | unit-ton. | 3.80 & .10 |
| Tansy leaves, bls | lb. | .18 - .20 |
| Tapioca flour, bgs | lb. | .03¼- .05¼ |
| Tar acid oil, 15%, dms., c.l., works | gal. | .22½- — |
| l.c.l., same basis | gal. | .25½- — |
| 25%, dms., c.l., works | gal. | .26½- — |
| l.c.l., same basis | gal. | .29½- — |
| Pine, retort, dms., c.l., dlvd. E. cities | gal. | .26 - — |
| dlvd. ports | gal. | .25 - — |
| l.c.l. | gal. | .26 - — |
| tanks, dlvd. E. cities | gal. | .20 - — |
| Tartar emetic tech., fine gran., bbls., 5 or more | lb. | .26¾- — |
| less than 5 | lb. | .27 - — |
| powd., bbls., 5 or more | lb. | .26¾- — |
| less than 5 | lb. | .27 - — |
| USP, powd., bbls | lb. | .32 - .32½ |
| Terebene, cns | lb. | .70 - .75 |
| Terpinyl acetate, cns | lb. | .80 - 1.00 |
| Terpin hydrate, kgs | lb. | .45 - .46 |
| Terpineol, CP, cns | lb. | .26 - — |
| dms. | lb. | .23 - — |
| Alpha, denat. grade, dms., c.l. | lb. | .14¾- — |
| contracts | lb. | .13¾- — |
| tanks | lb. | .14 - — |
| contracts | lb. | .13 - — |
| Terra alba (see Gypsum). | | |
| Tetrachloroethane, dms., works | lb. | .08 - .08½ |
| Tetrachloroethylene, CP, dms., tech., dms | lb. | .21½- — .10½- — |
| Tetralin, dms | lb. | .12 - — |
| Thallium sulphate, 99% pure, dms, works | lb. | 7.25 - 7.50 |
| Theobromine, cns | lb. | 1.85 - 1.95 |
| Sodiosalicylate, cns | lb. | 1.65 - 1.75 |
| Thiocarbanilide, dms | lb. | .20 - — |
| Thorium nitrate, cs., works | lb. | 2.00 - — |
| Thyme, French, bls | lb. | .10 - .10½ |
| Thymol, bots., 100 lbs | lb. | 1.65 - — |
| smaller lots | lb. | 1.70 - 1.95 |
| Iodide, kgs., 50 lbs | lb. | 3.15 - 3.20 |
| 25 lbs | lb. | 3.25 - 3.30 |
| Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons | lb. | .26 - — |
| 5 tons, same bases | lb. | .27 - — |
| 4% rotenone prices 5c. per lb., less. | | |
| Tin, crystals, bbls., kgs | lb. | .40½- .41 |
| Metal, Straits | lb. | .55⅛- — |
| Oxide, bbls | lb. | .58 - .60 |
| Tetrachloride, anhyd., bbls | lb. | .28 - — |
| Titanium, dioxide, bgs., c.l., (20 tons), E. frt. alld. | lb. | .16 - — |
| Pac. cst., f.o.b. terminals, | lb. | .16 - — |
| l.c.l., 1,000-39,999 lbs., E. dlvd. | lb. | .16½- — |
| Pac. cst., ex whse | lb. | .16½- — |
| 50-999 lbs., E. dlvd | lb. | .16¾- — |
| Pac. cst., ex whse | lb. | .16¾- — |
| under 50 lbs., E. dlvd | lb. | .19 - — |
| Pac. cst., ex whse | lb. | .19 - — |
| Titanium, dioxide, bbls., c.l. (20 tons) E., frt. alld. | lb. | .16¼- — |
| l.c.l., 1,000-39,999 lbs., E. dlvd. | lb. | .16¾- — |
| 50-999 lbs., E. dlvd | lb. | .17 - — |
| pigment, barium base, bgs., 1,000-lb. lots, E. frt. alld. | lb. | .05¾- — |
| Pac. cst., f.o.b. terminal. | lb. | .05¾- — |
| 50-999 lbs., E. dlved | lb. | .06 - — |
| Pac. cst., ex whse | lb. | .06 - — |
| under 50 lbs., E. dlvd. | lb. | .06¾- — |
| bbls., 1,000-lb. lots, E., frt. alld. | lb. | .06 - — |
| 50-999 lbs., E. dlvd | lb. | .06¼- — |
| calcium base, bgs., 1,000-lb. lots, E. frt. alld. | lb. | .05¾- — |
| Pac. cst., f.o.b. terminal. | lb. | .05¾- — |
| 50-999 lbs., E. dlvd | lb. | .06 - — |
| Pac. cst., ex whse | lb. | .06 - — |
| under 50 lbs., E. dlvd. | lb. | .06¾- — |
| bbls., 1,000-lb. lots, E. frt. alld. | lb. | .06 - — |
| 50-999 lbs., E. dlvd | lb. | .06¼- — |
| Tolidin base kgs | lb. | .88 - .90 |
| distilled, kgs | lb. | .95 - 1.00 |
| Tolu, balsam, cns | lb. | .48 - .50 |
| Toluidin, mixed, dms | lb. | .26 - — |
| Toluol (toluene), pure, dms., works | gal. | .35 - — |
| tanks, E. of Omaha, frt. alld. | gal. | .30 - — |
| W. of Omaha, works | gal. | .30 - — |
| Tonga vine, NF, bls | lb. | .28 - .30 |
| Tonka beans, Angostura, cks | lb. | 2.50 - 2.60 |
| Triacetin, dms | lb. | .36 - — |
| Triamyl borate, dms., l.c.l., works | lb. | .27 - — |
| Triamylamine, dms., c.l., works, | lb. | .77 - — |
| l.c.l. works | lb. | .80 - — |
| Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies | lb. | .089- — |
| W. of Rockies | lb. | .099- — |
| l.c.l., works, frt. alld., E. of Rockies | lb. | .094- — |
| W. of Rockies | lb. | .104- — |
| Tricresyl phosphate, CP, cns., dlvd. | lb. | .40 - .51 |
| dms., c.l., dlvd | lb. | .34 - — |
| 500 lbs., dlvd | lb. | .37 - — |
| tech., 1, cn., dlvd | lb. | .28 - .39 |
| dms., c.l., dlvd | lb. | .24½- — |
| 500 lbs., dlvd | lb. | .25 - — |
| 2, cns., dlvd | lb. | .26 - .37 |
| dms., c.l., dlvd | lb. | .22½- — |
| 500 lbs., dlvd | lb. | .23 - — |
| Triethanolamine, dms., c.l., works, | lb. | .21 - — |
| l.c.l., works | lb. | .22 - — |
| tanks, works | lb. | .20 - — |
| Triethylene glycol, dms., l.c.l., works | lb. | .26 - — |
| Triphenyl phosphate, dms | lb. | .34 - .36 |
| Tripoli, air-floated, bgs., c.l., works | ton. | 25.00 - — |
| l.c.l., ex whse., N.Y. | ton. | 40.00 - — |
| 1 ton, works | ton. | 30.00 - — |
| 1 bg., works | bag. | 4.00 - — |
| double-grd., bgs., c.l. works | ton. | 17.00 - — |
| l.c.l., 1 ton, works | ton. | 22.50 - — |
| 1 bg., works | bag. | 3.50 - — |
| once-grd., bgs., c.l., works | ton. | 15.00 - — |
| l.c.l., 1 ton, works | ton. | 20.00 - — |
| 1 bg., works | bag. | 3.00 - — |
| Trisodium phosphate (see Soda phosphate, tribasic). | | |
| Tungsten metal, powd., 98%, dms., | lb. | No prices |
| 99%, dms | lb. | No prices |
| Oxide, CP, kgs | lb. | 3.75 - — |
| tech., kgs | lb. | 2.75 - — |
| Turmeric root, Alleppey, bgs | lb. | .06¼- .06¾ |
| Madras, bgs | lb. | .06½- .07 |
| Turpentine, spirits, gum, bbls., c.l., ex dock | gal. | .39¼- — |
| l.c.l., 10, ex dock | gal. | .41¼- — |
| 5, ex dock | gal. | .43¼- — |
| wood, dest.-dist., dms., c.l., dlvd. E. cities, ports | gal. | .36 - — |
| l.c.l., same basis | gal. | .38 - — |
| tanks, dlvd. E. cities | gal. | .33 - — |
| steam-dist., dms., c.l., dlvd. | gal. | .37 - — |
| l.c.l., dlvd | gal. | .40 - — |
| tanks, dlvd | gal. | .32 - — |

## U

| | | |
|---|---|---|
| Unicorn root, false (see Helonias root). True (see Aletris root.) | | |
| Uranium oxide, kgs | lb. | 1.50 - — |
| Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va. | ton. | 95.00 - — |
| smaller lots, f.o.b. Belle, W. Va. | ton. | 95.00 - — |
| f.o.b. N. Y. | ton. | 101.00 - — |
| import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt. | ton. | 95.00 - — |
| smaller lots, f.o.b. N. Y. from whse. | ton. | 101.00 - — |
| pure, cs. | lb. | .14½- .15½ |
| Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports, $NH_3$ unit | | 1.00 |
| Uva ursi leaves, bls | lb. | .22 - .25 |

## V

| | | |
|---|---|---|
| Valerian root, 67s | lb. | .09 - .10 |
| Valonia, beards, bgs., shipt. | ton. | 47.00 - — |
| Cups, bgs., shipt | ton. | 31.75 -33.25 |
| Vanila beans, Bourbon, tins | lb. | 4.75 - 5.50 |
| Mexican, tins | lb. | 4.50 - 4.75 |
| cut tins | lb. | 4.25 - 4.50 |
| South American, tins | lb. | 4.25 - 4.50 |
| Vanillin, ex eugenol, 25-lb. tins, 2,000 lbs. or more | lb. | 3.65 - — |
| 1,000 lbs. or more | lb. | 3.70 - — |
| 900 lbs. or less | lb. | 3.75 - — |
| 5-lb. tins, 2,000 lbs. or more, | lb. | 3.75 - — |
| 1,000 lbs. or more | lb. | 3.80 - — |
| 900 lbs. or less | lb. | 3.85 - — |
| 1-lb. tins, 2,000 lbs. or more, | lb. | 3.90 - — |
| 1,000 lbs. or more | lb. | 3.95 - — |
| 900 lbs. or less | lb. | 4.00 - — |
| 1-oz. tins, 2,000 lbs. or more | lb. | 4.25 - — |
| 1,000 lbs. or more | lb. | 4.30 - — |
| 900 lbs. or less | lb. | 4.35 - — |
| single lbs | lb. | 4.80 - — |
| single ozs | lb. | 5.15 - — |
| Vanillin, ex guaiacol, 10c. per lb. less. | | |
| Venice turpentine, true, cs | lb. | .47 - .49 |
| Verdigris, bbls., kgs | lb. | .24 - .30 |
| Violet, methyl, toner (see M). | | |
| V.M.P. naphtha (see petroleum naphtha, v.m.p.). | | |

## W

| | | |
|---|---|---|
| Wahoo root bark, bls | lb. | .60 - .61 |
| tree, bark, bls | lb. | .25 - .26 |
| Wattle bark, bgs., shipt | ton. | 36.50 - — |
| Extract, bbls | lb. | .04⅝- .04¾ |
| Wax, bayberry, import, bgs | lb. | .17 - .17½ |
| Bees, white, bleach, slabs., cs., | 500 lbs. | .39 - .45 |
| yellow, crude, Africa, bgs., lots of 10 | lb. | .29½- .30 |
| 1 bg | lb. | .30 - .30½ |
| Brazil, Chile, bgs., 5-10 tons. | lb. | .32 - .32½ |
| 1 ton | lb. | .32½- .33 |
| 500 lbs | lb. | .33 - .33½ |
| 100 lbs | lb. | .33½- .34 |
| refd., slabs, cs., lbs | lb. | .35 - .39 |
| Candelilla, bgs., 1 ton | lb. | .14 - .14½ |
| jobbing lots | lb. | .14½- .15 |
| Carnauba, bgs., No. 3 chalky 1 ton | lb. | .38 - .38½ |
| 5 bgs | lb. | .38½- .39 |
| 1 bg | lb. | .39 - .39½ |
| N. C. 2, bgs | lb. | .42½- .43 |
| N. C. 3, bgs., 1 ton | lb. | .38½- .39 |
| 5 bgs | lb. | .39 - .39½ |
| 1 bg | lb. | .39½- .40 |
| refined, bgs | lb. | .43 - .43½ |
| yellow, 1, bg., 1 ton | lb. | .47¾- .48¼ |
| 5 bgs | lb. | .48¼- .48¾ |
| 1 bg | lb. | .48¾- .49¼ |
| 2, bgs | lb. | .46½- .47 |
| Ceresin, dom., 138°-140° m.p., bgs., 1 ton | lb. | .08½- — |
| jobbing lots | lb. | .09½- — |
| 150°-160° m.p., bgs., 1 ton | lb. | .09½- — |
| jobbing lots | lb. | .10½- — |
| 160° m.p., bgs., 1 ton | lb. | .10¼- — |
| jobbing lots | lb. | .11½- — |
| Japan, cs | lb. | .10 - .10½ |
| Montan, bgs., c.l | lb. | .11 - — |
| 5 tons | lb. | .11¼- .11¾ |
| less than 1 ton | lb. | .11½- .12 |
| Ozokerite, hard green, congeal p. 60°-68° C., bgs | lb. | .62 Nom. |
| 70°-72° C., bgs | lb. | .35 Nom. |
| 74°-76° C., bgs | lb. | .38 Nom. |
| snow-white, pure, 76°-78° C., bgs | lb. | .45 - .46 |
| yellow, natural, 76°-78° C., bgs | lb. | .35 - .36 |
| Paraffin (see P). | | |
| Spermaceti, blocks, cs | lb. | .23 - .24 |
| cakes, cs | lb. | .24 - .25 |
| White lead (see Lead, White). | | |
| White pine bark, rossed, bls | lb. | .05½- .06 |
| White precipitate, powd., bots. 5 lbs | lb. | 1.99 - — |
| dms. | lb. | 1.86 - 1.88 |
| Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works | ton. | 12.00 - — |
| l.c.l., works | ton. | 14.00 - — |
| bbls., c.l., works | ton. | 15.00 -16.50 |
| l.c.l., works | ton. | 17.00 - — |
| pap. bgs., c.l., works | ton. | 11.20 -13.50 |
| l.c.l., works | ton. | 13.20 -14.50 |
| wet-grd., bgs., c.l., works | ton. | 14.50 -15.00 |
| l.c.l., works | ton. | 15.00 -19.00 |
| bbls., c.l., works | ton. | 17.00 -18.00 |
| gilder's bolted, blp. bgs., c.l., works | ton. | 15.00 - — |
| l.c.l., works | ton. | 16.00 - — |
| bbls., c.l., works | ton. | 18.00 -19.50 |
| l.c.l., works | ton. | 19.00 -20.00 |
| pap. bgs., c.l., works | ton. | 14.60 -15.50 |
| l.c.l., works | ton. | 15.60 -16.50 |
| extra bolted, blp. bgs., c.l., works | ton. | 15.00 - — |
| l.c.l., works | ton. | 16.00 - — |
| bbls., c.l., works | ton. | 18.00 -22.50 |
| l.c.l., works | ton. | 19.00 -22.00 |
| pap. bgs., c.l., works | ton. | 14.60 -17.50 |
| l.c.l., works | ton. | 15.60 -18.50 |
| Paris white, blp. bags., c.l., works | ton. | 15.00 - — |
| l.c.l., works | ton. | 16.00 - — |
| bbls., c.l., works | ton. | 18.00 -24.00 |
| l.c.l., works | ton. | 19.00 -25.00 |
| pap. bgs., c.l., works | ton. | 14.60 -20.00 |
| l.c.l., works | ton. | 15.60 -21.50 |
| English cliffstone (see Whiting, chalk, Paris white). | | |
| Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., works | ton. | 9.35 - — |
| 99.75% 200 mesh, paper bgs., c.l., same basis | ton. | 8.60 - — |
| 90% 200 mesh, paper bgs., c.l., same basis | ton. | 6.25 - — |
| gilders, bgs. (extra), c.l. works | ton. | 11.50 - — |
| l.c.l., 8-20 tons, works | ton. | 12.50 - — |
| 4-8 tons, works | ton. | 13.50 - — |
| 2-4 tons, works | ton. | 14.50 - — |
| extra, bgs., (extra), c.l., works | ton. | 12.50 - — |
| l.c.l., 8-20 tons, works, | ton. | 13.50 - — |
| 4-8 tons, works | ton. | 14.50 - — |
| 2-4 tons, works | ton. | 15.50 - — |
| putty grade, bgs. (extra), c.l., works | ton. | 11.00 - — |
| l.c.l., 8-20 tons, works | ton. | 12.00 - — |
| 4-8 tons, works | ton. | 13.00 - — |
| 2-4 tons, works | ton. | 14.00 - — |
| water-floated, bgs, (extra), c.l., works | ton. | 11.50 - — |
| l.c.l., 8-20 tons, works | ton. | 12.50 - — |
| 4-8 tons, works | ton. | 13.50 - — |
| 2-4 tons, works | ton. | 14.50 - — |
| precipitated, bgs., c.l., works, | ton. | 15.00 - — |
| l.c.l., 5 tons, works | ton. | 20.00 - — |
| smaller lots, works | ton. | 25.00 - — |
| Wild cherry bark, thick, natural, bls. | lb. | .04½- .05 |
| rossed, bls | lb. | .06½- .07 |
| thin, natural, bls | lb. | .06½- .07 |
| rossed, green, bls | lb. | .10 - .11 |
| Wild indigo root, bgs | lb. | .09 - .10 |
| Witch-hazel extract, dist., NF, bbls. | gal. | .55 - .65 |
| Leaves, bls | lb. | .07½- .08 |
| Witherite (see Barium carbonate, natural). | | |
| Woodflour, dom., fine, bgs., extra, c.l., works | ton. | 25.00 - — |
| standard, bgs., c.l., works | ton. | 20.00 - — |
| import, 40-60 mesh, bgs., ex dock | ton. | 20.00 - — |
| 70-80 mesh, bgs., ex dock | ton. | 22.00 - — |
| 100 mesh, bgs., ex dock | ton. | 27.00 - — |
| 120 mesh, bgs., ex dock | ton. | 33.00 - — |
| Wormseed, American, bgs | lb. | .19 - .20 |
| Levant, bgs | lb. | 3.90 - 4.00 |
| Wormwood, bls | lb. | .09 - .10 |

## X

| | | |
|---|---|---|
| Xylol (xylene), com'l., dms., works | gal. | .35 - — |
| tanks, E. of Omaha, frt. alld., | gal. | .30 - — |
| W. of Omaha, works | gal. | .30 - — |
| tanks, E. of Omaha, frt. alld., | gal. | .41 - — |
| W. of Omaha, works | gal. | .41 - — |

| | | | |
|---|---|---|---|
| Xylol, 5°, dms., works | gal. | .41 - | — |
| tanks, E. of Omaha, frt. alld., | gal. | .36 - | — |
| W. of Omaha, works | gal. | .36 - | — |
| 10°, dms., works | gal. | .38 - | — |
| tanks, E. of Omaha, frt. alld., | gal. | .38 - | — |
| W. of Omaha, works | gal. | .38 - | — |
| Xylidin, mixed, dms | lb. | .35 - | .36 |

## Y

| | | | |
|---|---|---|---|
| Yara yara, cryst., cns | lb. | 1.25 - | 1.50 |
| Yellow, cadmium, CP, import., bxs. | lb. | 1.80 - | 2.50 |
| lithopone, all shades, bbls., 1 ton, works, frt. alld. | lb. | .40 - | — |
| smaller lots, same basis, | lb. | .45 - | — |
| kgs., same basis | lb. | .50 - | — |
| sulphide, orange, bbls., works, | lb. | .90 - | .95 |
| Chrome, CP, bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts | lb. | .14½- | — |
| open order | lb. | .15½- | — |

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

| | | | |
|---|---|---|---|
| Dutch, pink, bbls. | lb. | .09 - | .11 |
| Mercury oxide (see M). | | | |
| Ocher, Amer., golden, A, bbls., works | lb. | .06¼- | — |
| B, bbls., works | lb. | .04½- | — |
| C, bbls., works | lb. | .03½- | — |
| yellow, A, bbls., works | lb. | .02¾- | — |
| B, bbls., works | lb. | .02½- | — |
| C, bbls., works | lb. | .02 - | — |
| D, bbls., works | lb. | .0195- | — |
| E, bbls., works | lb. | .01775- | — |
| F, bbls., works | lb. | .01½- | — |
| G, bbls., works | lb. | .01½- | — |
| H, bbls., works | lb. | .01⅜- | — |
| French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import. | lb. | .0235- | — |
| New York (f.o.b.) | lb. | .02¼- | — |
| Philadelphia, for import. | lb. | .02¼- | — |
| Portland, Seattle | lb. | .03 - | — |
| San Pedro, S. Francisco | lb. | .0290- | — |
| l.c.l., ex dock, Balto., Boston, N. Orleans | lb. | .0245- | — |
| New York | lb. | .02⅝- | — |
| Philadelphia, for import. | lb. | .02⅝- | — |
| Portland, Seattle | lb. | .03¼- | — |
| San Pedro, S. Francisco | lb. | .03 - | — |
| ex whse., Balto., Boston N. Orleans | lb. | .0260- | — |
| Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, | lb. | .03½- | — |
| Minneapolis | lb. | .03⅝- | — |
| New York | lb. | .02⅝- | — |
| Pittsburgh | lb. | .03⅛- | — |
| Portland, Seattle | lb. | .03⅜- | — |
| San Pedro, S. Francisco | lb. | .03¼- | — |
| f.o.b. N. Y. from dock. | lb. | .02¼- | — |
| from whse. | lb. | .02⅝- | — |
| Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y., | lb. | .04½- | — |
| l.c.l., same basis | lb. | .04¾- | — |
| synth., bbls., c.l., works | lb. | .06¾- | — |
| l.c.l., works | lb. | .07 - | .07¼ |
| Persian orange (see O). | | | |
| Zinc, bbls., same basis chrome CP, contracts | lb. | .18 - | — |
| open order | lb. | .19 - | — |
| Yellow dock root, bls | lb. | .10 - | .11 |
| Yellow root (xanthoriza), bls | lb. | .09 - | .10 |
| Yerba santa leaves, bls | lb. | .08 - | .09 |
| Yohimbine hydrochloride, vls. | oz. | 2.60 - | 2.35 |

## Z

| | | | |
|---|---|---|---|
| Zinc, arsenate, bgs., cs., c.l., dealers, E. of Rockies | lb. | .10½- | — |
| l.c.l., bgs., cs | lb. | .11 - | — |
| arsenite, bgs., c.s., c.l. dealers, of Rockies | lb. | .10½- | — |
| l.c.l., bgs., cs | lb. | .11 - | — |

Zinc arsenate and arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.

| | | | |
|---|---|---|---|
| Carbonate, tech., bbls | lb. | .14 - | .15 |
| USP, precip., powd., bbls. | lb. | .31 - | — |
| dms. | lb. | .36 - | — |
| kgs. | lb. | .33 - | — |
| Chloride, fused, dms., c.l., works | 100 lbs. | 4.25 - | — |
| l.c.l., works | 100 lbs. | 4.60 - | — |
| gran., dms., c.l., works. | 100 lbs. | 5.00 - | — |
| l.c.l., dms., works. | 100 lbs. | 5.75 - | — |
| solution, dms., works | lb. | .04½- | — |
| tanks, works | lb. | .02 - | — |
| Cyanide, kgs., works | lb. | .36 - | .38 |
| Dust, bbls., c.l., dlvd | lb. | .0665- | — |
| l.c.l., bbls., dlvd | lb. | .09½- | — |
| Fluoride, bbls. | lb. | .20 - | .25 |
| Iodide, N.F., bots | lb. | 4.15 - | — |
| jars | lb. | 4.00 - | — |
| Metal (see daily quotations in Market report). | | | |
| Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd. | lb. | .06 - | — |
| l.c.l., dlvd. except Pac. cst. | lb. | .06¼- | — |
| ex whse., Pac. cst. | lb. | .06¼- | — |
| bbls., c.l., dlvd | lb. | .06¼- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .06½- | — |
| ex whse., Pac. cst. | lb. | .06½- | — |
| leaded, 5%, bgs., c.l., dlvd. | lb. | .05¾- | — |
| l.c.l., dlvd., except Pac. cast. | lb. | .06½- | — |
| ex whse., Pac. cs. | lb. | .06½- | — |
| bbls., c.l., dlvd | lb. | .06½- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .06⅝- | — |
| ex whse., Pac. cst. | lb. | .06⅝- | — |
| 35%, bgs., c.l., dlvd. | lb. | .0610- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .0635- | — |
| ex whse., Pac cst. | lb. | .0635- | — |
| bbls., c.l., dlvd. | lb. | .0635- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .0660- | — |
| ex whse., Pac cst. | lb. | .0660- | — |
| Zinc oxide, pigment, dom., Amer. process, leaded, 50%, bgs., c.l., dlvd. | lb. | .06¼- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .06½- | — |
| ex whse., Pac. cst. | lb. | .06½- | — |
| bbls., c.l., dlvd | lb. | .06½- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .06¾- | — |
| ex whse., Pac. cst. | lb. | .06¾- | — |
| French process, coml., lead-free, bgs., c.l., dlvd. | lb. | .06 - | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .06¼- | — |
| ex whse., Pac. cst. | lb. | .06¼- | — |
| bbls., c.l., dlvd | lb. | .06¼- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .06½- | — |
| ex whse., Pac. cst. | lb. | .06½- | — |
| green seal, bgs., c.l., dlvd., | lb. | .07½- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .07¾- | — |
| ex whse., Pac. cst. | lb. | .07¾- | — |
| bbls., c.l., dlvd | lb. | .07⅞- | — |
| l.c.l., dlvd., except Pac. cst. | lb. | .08 - | — |
| ex whse., Pac. cst. | lb. | .08 - | — |
| red seal, bgs., c.l., dlvd. | lb. | .07 - | — |
| l.c.l., dlvd. except Pac. cst. | lb. | .07¼- | — |
| ex whse., Pac. cst. | lb. | .07¼- | — |
| bbls., c.l., dlvd | lb. | .07¼- | — |
| l.c.l., dlvd. except Pac. cst. | lb. | .07½- | — |
| ex whse., Pac. cst. | lb. | .07½- | — |
| white seal, bgs., c.l., dlvd. | lb. | .08 - | — |
| l.c.l., dlvd. except Pac. cst. | lb. | .08¼- | — |
| ex whse., Pac. cst. | lb. | .08¼- | — |
| bbls., c.l., dlvd | lb. | .08¼- | — |
| l.c.l., dlvd. except Pac. cst. | lb. | .08½- | — |
| ex-whse., Pac. cst. | lb. | .08½- | — |
| Zinc, oxide, pigment, import., gold seal, cks., ex whse. | lb. | .13 - | .14 |
| green seal, bbls., ex whse., | lb. | .10 - | — |
| white seal, cks., ex whse., | lb. | .11 - | .12½ |
| Oxide, USP, bbls., c.l. | lb. | .09 - | — |
| Palmitate, bbls. | lb. | .23 - | .25 |
| Resinate, fused, pale, bbls. | lb. | .10 - | — |
| precip., dms., dlvd. | lb. | .15 - | — |
| Stearate, tech., precip., bbls., ctns., c.l. | lb. | .20 - | — |
| l.c.l., 1 ton | lb. | .21 - | — |
| 1,000-2,000 lbs. | lb. | .22 - | — |
| less than 1,000 lbs. | lb. | .23 - | — |
| USP, bbls. | lb. | .21 - | — |
| Sulphate, cryst., bgs., c.l. | 100 lbs. | 3.15 - | — |
| l.c.l. | 100 lbs. | 3.90 - | — |
| bbls., c.l. | 100 lbs. | 3.30 - | — |
| l.c.l. | 100 lbs. | 4.00 - | — |
| flake, bgs., c.l. | 100 lbs. | 3.00 - | — |
| l.c.l. | 100 lbs. | 4.35 - | — |
| bbls., c.l. | 100 lbs. | 3.75 - | — |
| l.c.l. | 100 lbs. | 4.50 - | — |
| powd., bgs., c.l. | 100 lbs. | 5.00 - | — |
| l.c.l. | 100 lbs. | 5.75 - | — |
| bbls., c.l. | 100 lbs. | 5.15 - | — |
| l.c.l. | 100 lbs. | 5.90 - | — |
| Sulphide, bgs., c.l. (20 tons), dlvd. | lb. | .09 - | — |
| l.c.l., dlvd. E. or ex whse., Pac. cst. | lb. | .09¼- | — |
| bbls., c.l. (20 tons), dlvd. | lb. | .09¼- | — |
| l.c.l., dlvd. E. or ex whse., Pac. cst. | lb. | .09½- | — |
| Sulphocarbolate, NF, bbls. | lb. | .24 - | .26 |
| Zinc-ammonia chloride, dms., c.l., works | 100 lbs. | 5.15 - | — |
| l.c.l., works | 100 lbs. | 5.50 - | — |
| Zinc-iron oxide, pigment, bgs., c.l., dlvd. | lb. | .04¾- | — |
| l.c.l., dlvd. except Pac. cst. | lb. | .05¼- | — |
| ex whse., Pac. cst. | lb. | .05¼- | — |

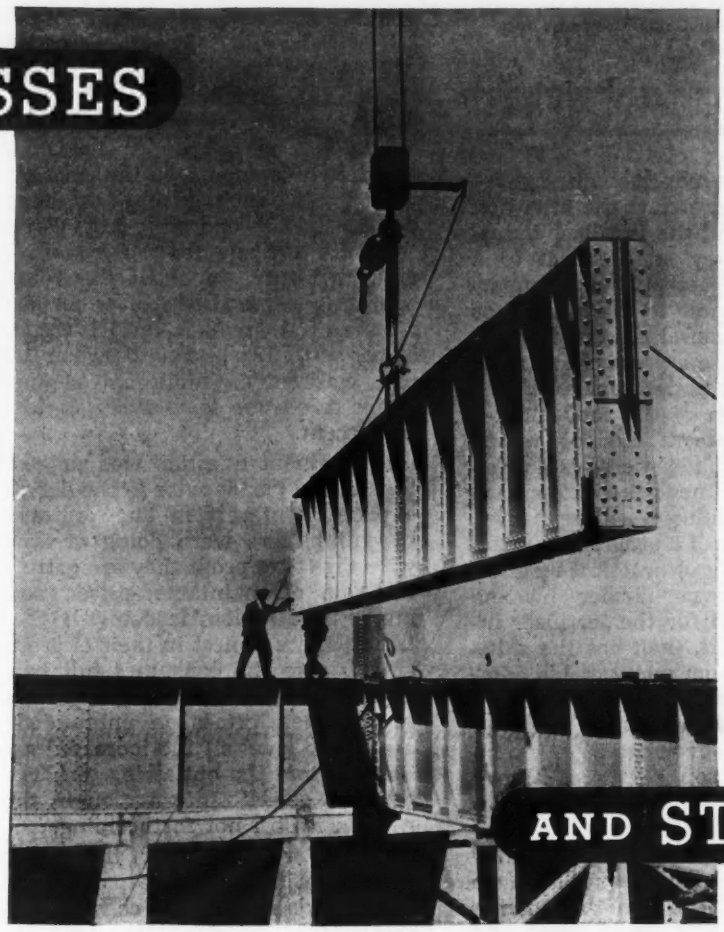
### Xylol—Zirconium

| | | | |
|---|---|---|---|
| Zirconium nitrate, kgs., works. | lb. | 3.00 - | 4.00 |
| Oxide, crude, 73-75%, grd., bbls., works. | ton. | 75.00 - | 100.00 |
| kgs., small lots, works. | lb. | .04¼- | .04½ |
| white, 98%, grd., kgs., works. | lb. | 1.40 - | 1.52 |

# Synthetic Resins
## and other
## Branded Paint Materials
### (Manufacturers' List Prices)

**Note:**—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the June 7 issue; the next printing will be in the July 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 39.


STRESSES



AND STRAINS

New Jersey zinc

## . . . *In paint films, too*

CABLE AND OUTSIDE PAINT have one thing in common—both are subjected to stresses and strains in service.

Internal pressures are created as a paint film ages and the vehicle begins to lose its flexibility. These pressures, if not properly distributed, cause slight ruptures on the surface at first and, eventually, the common cracking and checking failure. This is now an established fact.

Further research proved that it can be a function of the pigment, through its particle structure, to relieve these stresses and strains and thereby extend the useful life of the paint film.

As a result, Cryptone MS-130, the zinc sulphide-magnesium pigment, was designed to provide the paint film with that property to enable it to "give and take" under these stresses and strains. Cryptone MS-130 introduces the effect of film distensibility, producing plasticization without attendant softness.

If you have not tested Cryptone MS-130, use the coupon to obtain a free sample.

**The New Jersey Zinc Company**

160 Front St., New York, N. Y.

Send me a sample of Cryptone MS-130.

*(For Paint Manufacturers only)*

*Name*.....

*Address*.....

.....

CRYPTONE MS-130

ZINC SULPHIDE-MAGNESIUM PIGMENT

# Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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Vol. 131 June 14, 1937 No. 24

## Fertilizers and Farm Tenancy

The farm tenancy movement has many aspects which should attract the attention of the fertilizer industry and lead it to a participation comparable to the part it has taken in the soil conservation program. Because some of these aspects are not emphasized—if even regarded—in the better known manifestation of the movement—the plan of government aid for tenant farmers to become landowners—is no reason why they should not get consideration by the fertilizer industry. They offer, some of them, a basis of a program in many ways more promising of practical results.

A debt-ridden owner-farmer has no more potential value for the fertilizer industry, or for himself, than has the shiftless tenant from whom many of his number would be evolved by the government-aid plan. There is, in fact, a better opportunity for the development of intelligent recreation of soil resources among tenant-farmers as a whole. But, under prevailing conditions all efforts for such development are heavily handicapped.

The evil of farm tenancy is not so much that the tiller of the soil is not the owner thereof as it is that of the conditions of his leasehold. Too many farm leases, because they are of the one-year variety or for other shortsighted reasons, militate against the tenant's taking any interest in the maintenance of the fertility of the acres on which he works a crop. In fact, they offer but little inducement to apply sufficient fertilizer for the making of one crop.

Many farmers could be far better off as tenants than they would be as owners. Most of them are aware of this, but are unable in some cases, unwilling in others, to make proper use of the land, because they have little assurance that the necessary investment would be of even temporary benefit to themselves; they have every reason to feel that its benefits to them would not be continuous.

Agricultural leaders—not the political "friends" of the farmer—are interesting themselves in practical means of improving the unsatisfactory condition of tenant farmers. They favor longer leases and compensation for fertility-maintenance work by the tenant. In this program the fertilizer industry can find a desirable part.

## Price-Cutting Is Not Fair

Most of the familiar smoke-screens and fallacies with which bargain-baiters seek to defend their "efficient" (?) method of distribution were presented by a representative of one of the biggest operators in a debate on the benefits of price-maintenance in this city last week. This defender of the decoy stood practically alone; although one other speaker was neutral and inclined to the opinion that, if decoying prices were outlawed, the bargain-baiters would turn to band concerts and vaudeville shows to attract customers to their stores. He did not, however, explain that such attractions do not depreciate the goodwill of manufacturers as does the use of their goods as loss-leaders.

The dear consumer and the heartfelt desire to protect his interests were played out "with gestures" by the defender of the decoy system. He made much—and so did the newspaper reports of the discussion—of the fact that, since the validation of the fair-trade—he called it price-fixing—law of this State he was obliged to raise his selling prices on 1497 articles from 8.1 to 24.4 percent, an average of 12.2 percent. He did not say how much less he still was making on the sale of these articles than on the sale of unbranded goods. He refused to give requested information as to what was his average mark-up, but he did not say that his operating costs were lower than the average for department stores; and, therefore, to show the 6.5-percent operating income he reported for last year, his mark-up would have to average about 65 percent. The margin between list price and contractual minimum resale price under fair-trade laws averages less than 30 percent.

A pertinent question was suggested by the neutral participator in the debate, who expressed interest in knowing what the bargain-baiters were doing or would do with the extra profit they are getting from the sale of maintained-price goods formerly used as loss leaders. If these distributors are honest in their expressed desire to give the consumer full benefit of their "efficiency" (?), they will, of course, reduce their prices on unbranded goods enough to level off the increased gains resulting from the outlawing of bargains in branded goods. Information in this connection is still not forthcoming.

Whatever is done with this extra profit will mean little to the consumer. Cut-price goods never have constituted a substantial part of the sales of the bargain-baiter. A 12.2-percent raise in his prices on 1497 articles would have a barely perceptible effect on his total income. Price-cutting has been employed only to the minimum extent apparently necessary to advertise a store as a low-price establishment. Its evil has not been in its actual volume but in the relation of that to the volume of sales of other distributors, individually, who have no loss-carriers to fall back on. And moreso it has been evil and is evil because it compels the manufacturer to pay for this advertising for distributors for whom he has already created a buyers' interest by his national advertising.

"Fair trade" is synonymous with "fair pricing," not with "price-fixing." Fair pricing does not pad in one place in order that there may be gouging in another, or benefit one consumer at the expense of many others or at the expense of himself on many other articles he purchases. Price-cutting does these things; hence, by no honest reasoning can it be called fair. Certain distributors are able to operate at costs lower than those of their competitors; they can fairly sell at lower prices. These advantages lie more often with the small distributor than with the large one. The claims of the latter in this respect can seldom be backed up with facts.

—O-P-D—

## Paint Can Be Sold

Trade sales of paints, varnishes, and lacquers in April, this year, exceeded those reported by the same establishments for April of the boom year, 1929, by 16.5 percent. The paint, varnish, and lacquer industry had no reason to join in the public wailing about how business had slumped during April—of course, little, or no, reason for this wailing could be found anywhere in industrial circles; although there might be some significance for persons of a certain type of mind in the fact that industrial sales of paints, varnishes, and lacquers were still 7.1 percent short of the April, 1929, mark.

Sales of paints, varnishes, and lacquers through trade and industrial channels in April were 3.5 percent greater in value than those in the corresponding period in 1929. They were almost 22.3 percent larger than those in April, 1936, when there was no manifestation of gloom over an imaginary slump. Compared with sales in the first four months of 1936, the value of paints, varnishes, and lacquers sold in the corresponding period in this year showed an increase of 29.3 percent, divided as follows:—Industrial sales, 22.3 percent; trade sales, 37.5 percent. The paint, varnish, and lacquer industry has just kept on doing better.

It is evident from the much better showing made in the improvement in trade sales than in industrial sales that the paint, varnish, and lacquer industry has been working hard for itself and its service to the public. Industrial sales depend on the extent to which industrial consumers by their efforts to expand their own businesses increase their needs for finishes. Trade sales are increased almost wholly by the efforts of the paint, varnish, and lacquer industry to expand its own business. Industrial sales are an important part of this business, but the bigger part of the business is in trade sales—this year they exceeded industrial sales by 29.4 percent in value—and the opportunity for expansion which is peculiarly the paint, varnish, and lacquer industry's own therefore has the bigger field for development.

The larger increase in trade sales is indicative of the paint, varnish, and lacquer industry's ability to find sales where needs for its products exist. New building construction of the type presenting a ready-created demand for paints and related finishes has not been so large this year as it was in the corresponding period in 1929. There has been, however, a greater need for repainting. The translating of this need into the use of paint has been the industry's task. The records of what has been done show clearly that the industry did not shirk its job.

There remains an astounding need for repainting of residential buildings—and factories, too—in all parts of the country, even in those where paint-needing buildings were for decades a rarity. The paint, varnish, and lacquer industry has plain evidence that this condition can be remedied; that trade sales of products can be increased. Having tasted of the fruits of success, the industry, on the records of its past endeavors, may be expected to push harder and further.

CITRATES

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TARTARIC ACID

CREAM TARTAR

ROCHELLE SALT

SEIDLITZ MIXTURE

POTASSIUM IODIDE

PHENOLPHTHALEIN

CALCIUM GLUCONATE

CORROSIVE SUBLIMATE

BISMUTH SUBNITRATE

BISMUTH SUBCARBONATE

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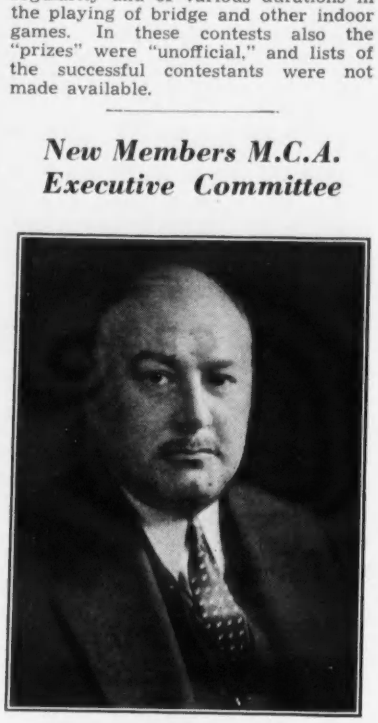
## S. O. C. M. A. Mixes Chemurgics and Golf

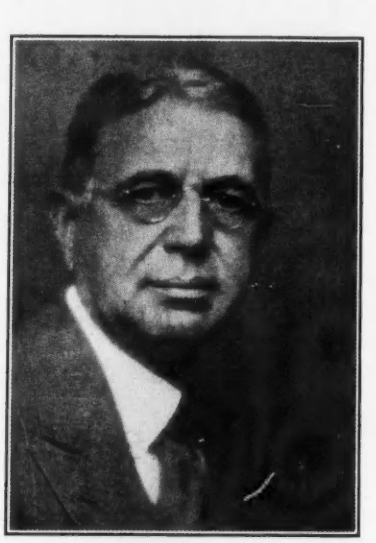
(Continued from page 5)

Some members of the outing group went to Atlantic City to play tennis; but these contests were not in the prize-offer category. Many more engaged during periods of more or less regularity and of various durations in the playing of bridge and other indoor games. In these contests also the "prizes" were "unofficial," and lists of the successful contestants were not made available.

## *New Members M.C.A. Executive Committee*



Ralph N. Chipman
**President, Chipman Chemical Company**



Russell H. Dunham
**President, Hercules Powder Company**

Charles S. Munson
**President, U.S. Industrial Alcohol Company**

# Heavy Chemicals

## Methyl Chloride and Sulphur Dioxide Schedules Issued—Alkali Prices Renewed for Third-Quarter—Tin Salts Quiet—Chlorine In Good Demand—Sulphuric Acid Continues Strong

Business in the market for heavy chemicals was slightly slower during the week just ended. A portion of the dull character of demand could be attributed to the hesitancy on the part of manufacturing consumers to order out supplies on a broad scale until after June 15, at which time price schedules for the third quarter will be available. Labor unsettlement in many industrial units, together with the depressed seasonal influences, also slowed buying.

Labor unsettlement was most pronounced in Ohio and Michigan, with reports stating that the Governor of Ohio had called a conference between the steel plant executives and labor leaders in an effort to bring about a settlement of the strike in certain major steel plants. Sulphuric acid continued as the strong feature, and, as a result of the strength in sulphuric acid, a firmer tone was reported for muriatic acid as well as for nitric acid. Battery acid was also firm. The trade was awaiting the new schedules on acids for the second half of the year. Interest was also shown in learning the schedule for alkalies has been extended for the third quarter. A downward revision was noted in methyl chloride prices and a lower schedule was also noted for certain refrigeration cylinder prices for sulphur dioxide. Tin salts were steady, reflecting the steadiness in the basic metal. Reports had it that the 110 percent of standard tonnage would be maintained by the International Tin Committee for the third quarter. The committee will be in session Friday. Soda silicofluoride was quiet. Boric acid prices have been extended for the second half of the year. Nicotine sulphate was active. Anhydrous ammonia continued in good demand. Chlorine was firm.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

None

**Reduced**

Methyl chloride, 1c. per lb.
Sulphur dioxide, refrigeration, 150-lb. cylinder, 1c. per lb.

### Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 154.3 | 154.3 | 154.3 | 153.3 |

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 99.6 | 99.6 | 99.6 | 99.4 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Alums.** — Business continued good in the market for ammonia and potash alums. The call for alumina sulphate, both commercial and iron-free, was good. No change was disclosed in quotations. Exports of alumina sulphate in April amounted to 4,859,225 pounds, valued at $50,372, of which Canada consumed 4,539,000 pounds; Mexico, 60,325 pounds; Cuba, 32,000 pounds; Colombia, 2,000 pounds, and Hong Kong, 225,000 pounds.

**Ammonia, Anhydrous.**—The warmer weather stimulated the buying again last week, consumers were withdrawing full contract allotments. Prices ruled decidedly firm.

**Ammonia, Aqua.** — Shipments were moving out at a fair pace throughout the week. A steady to firm price tone was in evidence.

**Ammonia Nitrate.** — Demand was fair. Prices ruled firm. April imports amounted to 638,391 pounds, valued at $8,313, of which Belgium shipped 474,000 pounds and Norway, 164,273 pounds.

**Ammonia Persulphate.** — There was little to report in this market again last week. No change was disclosed in quotations and demand was spotty.

**Ammoniac Sal.**—A substantial inquiry was noted for this product. No change was disclosed in prices for the white and gray materials. April imports amounted to 1,057,472 pounds, valued at $24,902, of which Belgium shipped 71,649 pounds; Germany, 857,200 pounds; Poland and Danzig, 11,023 pounds; United Kingdom, 5,600 pounds, and Canada, 112,000 pounds.

**Antimony.**—The market for antimony metal continued quiet during the week. Prices were steady.

**Antimony Oxide.** — There was a fair demand in evidence for this material at times during the week, the ceramic industry appeared content to cover for immediate production wants only. No change was disclosed in quotations.

**Arsenic.** — The market for white arsenic continued fair during the week. Prices were steady. Imports in April of white arsenic totaled 2,290,520 pounds, valued at $51,879, of which Belgium shipped 290,960 pounds; France, 110,230 pounds; Germany, 13,779 pounds; Sweden, 155,206 pounds; Canada, 60,347 pounds; Mexico, 1,648,798 pounds, and Japan, 11,200 pounds.

**Barium Salts.**—This market continued to note an irregular call throughout the week. Prices for chloridemcarbonate, hydrate and nitrate were without change. April imports of barium compounds amounted to 114,646 pounds, valued at $5,544, of which France shipped 7,840 pounds; Germany, 81,113 pounds; Netherlands, 14,329 pounds and United Kingdom, 11,364 pounds.

**Bleaching Powder.**—Shipments were moving out in good volume during the week just closed. Sellers reported prices were steady to firm. April imports amounted to 124,054 pounds, valued at $2,310, of which Germany shipped 100,054 pounds and United Kingdom, 24,000 pounds.

**Blue Vitriol.**—A fair amount of business was transacted in this market again last week. No change was disclosed in quotations. Shipments this season were said to have shown an improvement over the preceding year. Quotations were displaying a firm tone.

**Calcium Chloride.** — Another active week was reported in this direction. Sellers reported prices were firm. April imports of crude calcium chloride amounted to 596,186 pounds, valued at $3,469, of which Belgium shipped 220 pounds and the remainder came from Germany. April exports totaled 757,371 pounds, valued at $14,889, of which Greece received 2,000 pounds; United Kingdom, 82,083 pounds; Canada, 302,638 pounds; Cuba, 174,608 pounds; Peru, 43,600 pounds, and China, 78,400 pounds.

**Carbon Tetrachloride.** — A good demand was reported from the cleaning fluid companies and other routine consumers. No change was disclosed in quotations.

**Chlorine.** — Shipments were moving against contracts at a good pace during the week, the volume moved was sufficient to give the market a decidedly firm price appearance. Another factor firming up the market price tone was the good volume on the books for forward delivery.

**Cobalt Oxide.**—This market noted a spotty demand at times last week, but prices were firm at the higher levels established in the preceding period. April imports amounted to 56,422 pounds, valued at $65,472, of which Belgium shipped 32,550 pounds and Germany, 23,872 pounds.

**Copper.**—Price for copper continued firm. Business was quiet. The return of a head of a prominent American copper producing company from London gave rise to doubt concerning the world parley on copper limitation. The conference has been in session in London. Advices from that city stated that the failure of the conference to agree on limitation was the cause of the return of the prominent American copper producer.

**Copperas.**—A good inquiry was reported in this market during the week just closed. Sellers reported quotations were decidedly firm. Steel mill operations were lower at 77.4 percent of capacity, compared with 76.2 percent in the preceding period.

**Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7**

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| Dichlormethane | | |
| Dichlorethylene—"Di-48" | 119.1 | 10.49 |
| Dichlorethylene—"Di-60" | 140.5 | 10.70 |
| Dichlorethylene—"Di-48-60" (Mixture of Di-48 and Di-60) | 119.1 | 10.61 |
| Chloroform | 142.2 | 12.43 |
| Carbon Tetrachloride | 170.1 | 13.31 |
| Trichlorethylene | 188.1 | 12.20 |
| Trichlorethane (Beta) | 236.3 | 12.04 |
| Tetrachlorethylene (Perchlorethylene) | 249.4 | 13.55 |
| Tetrachlorethane (Acetylene Tetrachloride) | 295.3 | 13.31 |
| Pentachlorethane | 323.4 | 14.00 |

WRITE FOR LITERATURE GIVING FULL DETAILS

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**Fluorspar.**—Demand in this market continued at a good pace during the week. Prices ruled firm. The good amount of buying resulted from the high level of activity in the steel industry.

**Methyl Chloride.**—A slight reduction was noted for the third quarter of the year. The new prices, for delivery to any common carrier point in the United States are as follows:—In 60, 90 and 130 pound cylinders, 40c. per pound; 60 to 499 pounds, 36c. per pound and 500 pounds and over, 36c. per pound; in multi-unit tank cars, 35c. per pound. Prices in 20-pound cylinders are uniformly 10c. per pound higher than the above cylinder prices.

**Nickel Salt.**—There was a good interest shown in this market again last week; sellers reported quotations ruled firm. The automobile industry was curtailing operations, preparing for changing over to 1938 models.

**Potash Carbonate.**—A fair demand was reported here. No change was uncovered in quotations. April imports amounted to 218,458 pounds, valued at $10,987, of which Hongkong shipped 2,064 pounds; Netherlands, 67,603 pounds, and Germany, 148,791 pounds.

**Potash, Caustic.**—Prices continued steady to firm during the week. A fair buying movement was noted. April imports amounted to 231,583 pounds, valued at $15,250, of which Germany shipped 195,201 pounds; Sweden, 36,362 pounds and Japan, 20 pounds.

**Potash Chlorate.**—Match manufacturers and other routine consumers supplied a good call here. No change was disclosed in quotations. April imports of chlorate and perchlorate totaled 1,872,332 pounds, valued at $76,811, of which Japan shipped 110,230 pounds; Switzerland, 185,132 pounds; Sweden, 162,858 pounds; Germany, 1,184,752 pounds and France, 229,360 pounds.

**Saltcake.**—A favorable buying movement was reported here. The call came from routine consumers. Prices ruled unchanged.

**Soda Ash.**—This market continued to experience a good call during the week. Producers reported prices were firm. Prices have been extended for the third quarter.

**Soda, Caustic.**—A firm tone prevailed in this market again last week, sellers reporting quotations were unchanged. A fair volume of business was transacted. Prices have been extended for the third quarter.

**Soda Chlorate.** — A good call was reported for this product again last week. A steady to firm price tone prevailed.

**Soda Cyanide.** — This market presented little change during the week, shipments were moving out at a fair pace and quotations held firm.

**Soda Fluoride.** — A fair amount of business was transacted in this market for routine account during the week. No change was disclosed in quotations.

**Soda Phosphate.** — Business in this market continued at a fair pace throughout the period under review. A steady to firm price tone was in evidence.

**Soda Silicofluoride.** — The ceramic industry and other routine consumers were withdrawing fair-sized commitments. Prices were about the same as in the preceding period.

**Sulphur Dioxide.** — A slight reduction was noted for certain sizes of cylinders, the new price is effective July 1. The schedule, f.o.b. works, and stock points, follows:—16c. per pound in 150-pound cylinders; 16½c. per pound in 100 pound cylinders; 17c. per pound in 70 pound cylinders; 21c. per pound in 25 pound cylinders; 30c. per pound in 10 pound cylinders and 40c. per pound in 5 pound cylinders. Prices on refrigeration grade in ton drum shipments and prices on commercial grade in all sizes of shipping equipment remain unchanged.

**Tin Salts.** — A steady tone prevailed in the market for tin derivatives toward the close of the week. Price ranged around 56⅛c. per pound for Straits tin. Reports stated that the present tin quota of 110 percent of standard tonnages will more than likely be maintained for the third quarter when the International Tin Committee convenes June 11. Moreover, it was reported also that the committee is contemplating a new type of buffer pool to maintain a steady price tone. Prices for tin crystals were unchanged.

## Acids

Business in the market for acids continued to be featured by a heavy call for surphuric acid. Sulphuric acid prices were decidedly strong, the trade was awaiting issuance of the third-quarter schedule. Muriatic acid was slightly firmer and an improved price undertone was shown in the market for nitric acid. A favorable amount of business was transacted in the market for oxalic acid. Boric acid prices have been extended to cover the last half of the year. Chromic acid prices were firm, platers were withdrawing sizable quantities. Acetic acid noted a fair demand. Battery acid held firm.

**Acetic.** — Demand continued good throughout the week. Prices ruled firm.

**Battery.**—This market continued to note a fair demand throughout the week. No change was disclosed in quotations.

**Boric.**—Sellers reported prices were firm. A good volume of business was transacted for routine consumers account.

**Chromic.**—A steady to firm tone prevailed in this direction again last week, platers were withdrawing a fair volume against contracts.

**Formic.**—Shipments were moving out in good volume to routine channels of consumption. A firm price tone was in evidence.

**Hydrocyanic.**—This market presented little variation from recent weeks, the call from agricultural districts was good and quotations ruled firm.

**Lactic.** — Shipments held up fairly well, moving for account of the beverage trade and prices were steady.

**Muriatic.**—This market revealed little change, with the possible exception that the price tone was firmer.

**Nitric.** — Nothing of importance occurred in this market during the week, shipments were moving out in fair volume and prices were decidedly firm.

**Oxalic.**—A substantial volume of business was reported in this direction, the dealings being featured by a firm price tone.

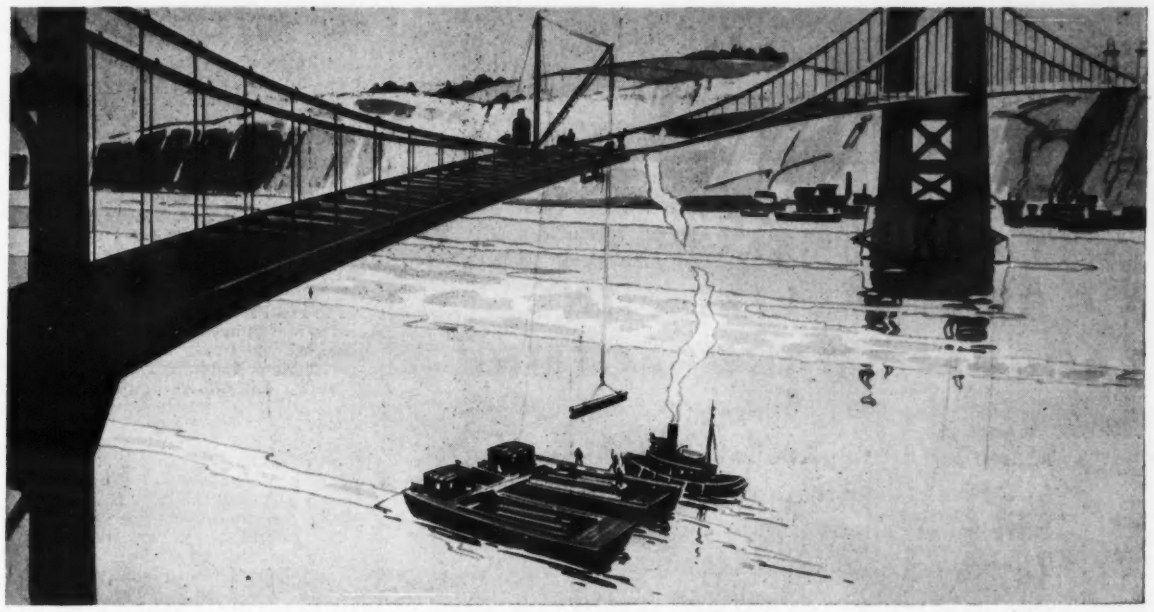
**Sulphuric.** — A strong tone prevailed here. The trade was awaiting prices for the third quarter. Statistics on production, receipts, consumption, shipments, and stocks of sulphuric acid, based on data reported by 58 fertilizer manufacturers for April and previous months of 1937, 64 for the months of 1936, and 69 for the months of 1935, were released by the Bureau of Census, Department of Commerce. Production of sulphuric acid by fertilizer manufacturers during April, 1937, amounted to 180,040 tons, receipts to 56,416 tons, consumption by reporting manufacturers to 172,936 tons, shipments to 67,839 tons, and stocks on hand at end of month to 68,352 tons. March production was 193,979 tons and the output in April, 1936, was 119,565 tons. Receipts in March were 72,402 tons and in April, 1936, the total was 22,994 tons. Consumption in March was 196,134 tons and 81,921 tons in April, 1936. March shipments were 72,122 tons and in April, 1936, the amount was 68,709 tons. Stocks at the end of March were 72,585 tons and at the end of April, 1936, the total was 75,304 tons.

**Baltimore, June 9.**—Conditions in the market for sulphuric acid remain about as they have been in recent weeks, with the demand still in excess of the output and with the figures generally mentioned hardly more than nominal, since it is quite possible for a seller to get above the prices mentioned if he were in position to make deliveries, which, according to reports, is not the case. Some easing up in the situation may be realized shortly, since new production is about due and to this extent will lessen the urgency of the demand. It is also to be noted that steel output has declined in the last few weeks, which would tend to reduce the requirements of consumers in this class. The nominal quotations are still at $13 per ton for 60 degree and at $16 per ton for 66 degree acid, though tenders of these amounts are not likely to bring about trading for the reason that the contracts booked by the manufacturers suffice to take up the production fully, leaving other users not protected by contracts to experience much difficulty in providing for their needs. Conditions as to oleum are virtually unchanged, with $17 per ton asked for 20 percent stocks.

**(Continued on page 58)**

**Ernest Segessemann,** of the laboratory staff of the National Oil Products Company's plant at Harrison, N. J., has been appointed chief chemist of the new plant at Cedartown, Ga.

**Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7**



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# Coaltar Chemicals

## Cresylic Acid Continues in Short Supply—Creosote Oil Active —Shingle Stain Oil Strong—Benzol Buying Good—Crude Naphthalene Quiet—Intermediate Prices Firmer

Business in the market for coaltar chemicals continued on a broad scale throughout the week just ended. The general price structure was decidedly firm. Cresylic acid supplies were short. Benzol demand was good. Crude naphthalene was dull. Buying of inter mediates was heavy, the trade was awaiting prices for the second half of the year. Colors were steady.

Interest continued to be shown in the labor strike in certain major independent steel plants, a conference having been called by the Governor of Ohio for Friday between the labor leaders and plant officials. But little hope was held out for a settlement to come out of the conference, for the only question concerned was that of signing a CIO contract. This unsettlement in certain steel plants has naturally sustained the call for benzol. Cresylic acid shortage was unrelieved. Buying of creosote oil was heavy at times during the week, the call coming from the railroads and public utility companies. Toluol was slightly slower, the automobile industry having curtailed operations because of seasonal influences and because of labor unsettlement. Shingle stain oil displayed a strong tone. The trade was awaiting the July 15 issuance of prices for intermediates. The market for intermediates was decidedly firm, for the first half of the year in the intermediates was about the most active on record in some few years. Phthalic anhydride was firm. Orthotoluidin and orthonitrotoluene were decidedly firm. Demand was irregular in the colors market.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

None

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 127.2 | 127.2 | 126.7 | 126.4 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Basic Products

**Benzol.**—A good interest was noted in this market again last week. Sellers reported quotations were decidedly firm. Steel operations were at 76.2 percent of capacity, against 77.4 percent in the preceding period, according to the American Iron and Steel Institute. A month ago operations were at 91.2 percent of capacity and a year ago at 69.5 percent. Considerable interest was shown in the continuance of the labor strike among the steel workers in certain independent steel plants. A conference is scheduled between the labor leaders and plant officials for Friday, with the Governor of Ohio presiding. Some doubt was expressed as to the outcome of the conference, both sides emphasizing that the only issue was whether the companies should sign a CIO contract.

**Cresol.**—Demand continued on a good scale throughout the week. Prices displayed a decidedly firm tone.

**Creosote Oil.**—An active buying movement was reported in this market again last week. Firmness characterized the price tone. April imports amounted to 6,170,959 gallons, valued at $667,439, of which Belgium shipped 1,981,689 gallons; United Kingdom, 2,377,988 gallons; Canada, 387,655 gallons; Japan, 931,671 gallons, and Kwantung, 491,956 gallons.

**Cresylic Acid.**—This market continued to note a short supply, the call from the synthetic resin industry and other routine consumers being sufficient to absorb production. A decidedly strong tone was in evidence. April imports amounted to 173,236 gallons, valued at $116,083, of which Germany shipped 27,813 gallons; United Kingdom, 132,364 gallons, and Australia, 13,059 gallons.

**Naphthalene.**—Quiet continued in the market for crude naphthalene during the week just ended. April imports amounted to 5,080,567 pounds, valued at $108,314, of which Belgium shipped 424,623 pounds; Czechoslovakia, 768,866 pounds; Germany, 1,469,971 pounds; Netherlands, 357,329 pounds; Russia, 218,445 pounds; United Kingdom, 1,474,533 pounds, and Canada, 366,800 pounds. The market for refined naphthalene was slightly slower. No change was disclosed in quotations.

**Phenol**—This product continued to experience a broad demand during the week just closed. Sellers reported quotations were firm. The buying came from the usual channels of consumption.

**Pyridin.**—A strong tone continued in prominence in this market. Demand was good. Strength in the price tone could be traced to the short supply.

**Shingle Stain Oil.**—Sellers reported demand was good at times during the week. Prices were strong.

**Tar Acid Oils.**—This market continued to note a good call throughout the week. Quotations were firm at the higher levels.

**Toluol.**—Demand slipped off somewhat here during the week just ended. However, a firm price tone continued in evidence. Word from the automobile industry indicated that production was at a lower level, some units in the industry being affected by labor unsettlement.

**Xylol.**—This market continued to note a broad demand, a firm tone prevailed.

### Chicago Coaltar Bases

CHICAGO, June 10.—A good demand for most grades of coaltar bases is keeping the price structure firm. Buyers are willing to take out volumes of products which in the aggregate make good totals. Prices are steady to strong in most cases. Shipments for the most part are reaching good totals. Ruling prices exclusive of tax are: Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 9½c. to 10½c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13c. to 13½c.

## Coaltar Acids

**Anthranilic.**—Business continued at a good pace during the week. Prices were decidedly firm.

**Benzoic.**—This market continued to experience an irregular demand throughout the week. No change was disclosed in quotations.

**Cleve's.**—This product continued to experience an irregular demand throughout the week, prices holding firm at previously scheduled levels.

**Gamma.**—A firm tone continued in evidence in this market during the course of the week just ended. No change was disclosed in quotations.

**Salicylic.**—Shipments were moving out in substantial volume against contracts, sellers reporting prices continued decidedly firm.

**Sulphanilic.**—This situation offered little change during the week, sellers described prices as decidedly firm, and the volume was fairly good.

**Tobias.**—Usual consumers were taking fair-sized commitments. No change was uncovered in quotations.

## Other Intermediates

**Anilin Oil.**—A firm tone was the outstanding factor in this market again last week. Quotations were decidedly firm.

**Anilin Salt.**—Business was on a favorable scale throughout the week. No change was disclosed in quotations.

**Dinitrobenzene.**—Shipments were moving against contracts at a good pace throughout the week. No change was uncovered in quotations.

**Dinitrotoluene.**—This market experienced a fair demand again last week. A firm tone governed the activities.

**Metatoluylenediamine.**—A strong tone prevailed in this market again last week, sellers reporting demand was fair.

**Nitrobenzene.**—Continuance of a good

**Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7**

demand was reported in this direction, sellers reported the presence of a firm tone.

**Orthonitrotoluene.**—This market displayed a strong tone last week, demand was good.

**Orthotoluidin.**—Buying continued at a good pace, and prices were strong.

**Phthalic Anhydride.**—No slackening was shown in the call for this product, shipments were equivalent to production. Prices were strong.

**Xylidin.**—This market continued to register a fair demand. Sellers were holding firmly to prices.

## Coaltar Colors

The market for coaltar colors continued to record an irregular demand. However, sellers reported prices ruled steady to firm. The cotton spinning industry in this country continued to lose ground last week, according to the New York Cotton Exchange Service. As has been the case for the last two or three months, sales of goods by mills were much below current output, in aggregate yardage. This resulted in a running down of unfilled orders and in some directions, some accumulation of unsold goods. Reports from Philadelphia had it that some labor unsettlement was noted in the hosiery industry. Rayon mills were doing well for this period of the year.

## N.Y. Produce Exchange Re-elects John Murray

The New York Produce Exchange, at the annual meeting June 7 re-elected the following officers:—

President, John McD. Murray, head of the oil department of H. Hentz & Co.; vice-president, Robert F. Straub, of the Bunge North American Grain Corporation; treasurer, Clifford B. Merritt, of Bowring & Co. Harold L. Bache, W. S. R. Beane, and Moses Cohen, were re-elected members of the board of managers to serve two years, and Axel Hansen, Charles F. Shirff and J. P. Zuurmond were elected to the board to serve two years. B. H. Wunder was re-elected to the office of trustee of the gratuity fund to serve three years.

## Insecticide Makers Adopt Specifications

(Continued from page 3)

It was stated that a marked difference in susceptibility of male and female flies had been established in the investigation. It was shown that there is a definite relation between sex ratio and percent mortality of unsexed flies. Rearing conditions bear a measure of relation to susceptibility of flies, it was asserted. An increase of susceptibility

John H. Wright
Secretary of the N.A.I.D.M.

to the insecticide of unfed flies was demonstrated in this work.

In his address as president of the association, William B. Eddy, of the Rochester Germicide Company, asserted the meeting marked the midway point in another inspiring course of business recovery. He said almost without exception the sales volume of our lines has continued to grow.

Speaking of the official reaction regarding disinfectant grades during the early 1937 Ohio Valley floods, and of the general government attitude toward qualities of materials, he asserted the industry cannot expect the Government to recognize any private brand name for disinfectants, nor to advise the use of a commodity which is made in so many different strengths as the coaltar or pine oil disinfectants.

The president stated that a special Washington conference committee, with Melvin Fuld, of Fuld Brothers, Baltimore, as chairman, will endeavor to discuss with proper officials the whole question of official attitude toward the industry and its products.

### Legislative Resume

John H. Wright, secretary of the association, and chairman of the committee on legislation, went extensively into the subject of recent legislation, detailing how efforts were made to work in the best interests of the industry along these lines. He emphasized work done to prevent passage of state food and drug legislation in advance of final decision on the federal food and drug bill. He emphasized it is of most importance that state action on food and drug legislation be delayed until bill S-5 is disposed of. Yet he said food and drug bills have been introduced in the last season in ten states. He said the Wisconsin assembly bill 844 is a particularly good example of the drastic legislative proposals made. He said he felt most manufacturers are in favor of the Federal Trade Commission having jurisdiction over advertising, although under S-5 it would be given the Food and Drug Administration. However, there is pending in the house the Lea bill, H.R. 5854, providing for control by the Trade Commission. He said also it was urgent that Section 2, paragraph (h) of S-5 be amended to avoid the unreasonableness of subjecting the same products to control under two laws with conflicting provisions.

Considerable interest was reflected in the subject of disinfectants in the disaster affected areas in 1937, led by C. L. Weirich, of C. B. Dolge Company, Westport, Conn., chairman of the sanitary supply committee. It was brought out by several speakers that the stress conditions could be considered as a valuable laboratory for testing out the ability, equipment and products of the industry to serve in emergency. Developments were reviewed, as to how there was a general inclination to fall back on chloride of lime, to the ignoring of other items.

### Specifications Adopted

The specifications and standardization of insecticides came up under the committee chairmanship of J. L. Brenn, of Huntington Laboratories, Inc., Huntington, Ind., chairman of the general disinfectant committee. Under his committee was the sub-committee on specifications, with Jack Varley, of Baird & McGuire, St. Louis, presenting the report. Certain changes were made in the report, and the officially approved report incorporating the changes is expected to be made public by the association in the next few weeks.

Following is the report of the committee, later to be changed in some respects:—

### Liquid Hypochlorites Disinfectant, Deodorant, and Germicide

*Classification.*—Liquid hypochlorites are divided into three classes:—(1) Sodium hypochlorite alkaline with sodium hydrate, sodium carbonate or the other alkaline salts; (2) hypochlorites which are essentially sodium hypochlorite and alkaline with calcium hydrate; and (3), calcium hypochlorite solutions alkaline with calcium hydrate.

*Physical Requirements.*—The hypochlo-

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COMMERCIALLY PURE BENZOL
90% BENZOL • CXP BENZOL
XYLOLS (SOLVENT NAPHTHA)
REAGENT BENZOL • PURE TOLUOL
SULPHATE OF AMMONIA

JONES & LAUGHLIN STEEL CORPORATION
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rite solution shall be a homogeneous liquid. It shall be miscible with distilled water in all proportions. It shall be ready for dilution when delivered.

*Chemical Requirements.*—It shall have an available chlorine content of not less than 2.5 percent and not more than 7.0 percent as determined by the arsenious acid or the potassium iodide-starch quantitative methods. Its rate of deterioration shall not be more than 10 percent of its original available chlorine content when stored in the original container for six months in a cool, dark place.

*Identification.*—Each container shall be marked with the name of the material, the brand (if any) of the material, the name of the manufacturer, net contents therein, and date of manufacture or a code number by which manufacturer can determine date of manufacture.

*Packing.*—The hypochlorite shall be delivered in standard, commercial containers of the size as called for in the schedule. Each container holding one gallon or more shall be stoppered with a closure having vent.

*Delivery.*—(a) Delivery shall be made as called for in the schedule. (b) With each delivery, the manufacturer shall furnish direction sheets, showing proper dilution. One such direction sheet shall accompany each container.

## Coaltar Disinfectant, Emulsifying Type

1. It shall contain not less than 65 percent of oils and acids from coaltar.
2. It shall contain not over 10 percent water.
3. It shall be free from petroleum adulterants.
4. The phenol coefficient shall be determined by the F. D. A. method of test against *E. typhi* and shall be clearly stated on the label attached to each shipping container.
5. It shall make milky emulsions with distilled water at a temperature of 25 deg. C. diluted in the ratio of 5 parts disinfectant with 95 parts of water for disinfectants of coefficient 10 or under; and in the ratio of 2 parts of disinfectant to 98 parts of water for disinfectants over 10 in coefficient; these emulsions shall show not more than a trace of oily float or sediment whent stored for five hours at room temperature.
6. It shall remain limpid, showing no sign of naphthalene crystallization down to O°C. in twelve hours.
7. It shall comply with the caustic poisons act, that is, it shall be marketed with poison label if containing more than 5 percent benzophenol.
8. The disinfectant shall stand indefinitely, showing no separation, no loss of germicidal value, or any form of decomposition (such as soap separating from the oil) under normal and reasonable conditions of storage.

## Pine Oil Disinfectant

1. The product shall be manufactured from pure steam-distilled pine oil and emulsifying agent and remain clear and homogeneous under ordinary conditions of storage.
2. It shall contain not less than 60 percent steam-distilled pine oil.
3. It shall contain not more than 10 percent water, inert matter.
4. The phenol coefficient shall be determined by the F. D. A. method of test against *B. typhosus* and be clearly stated on the label attached to each shipping container.
5. Any addition of hydrocarbon oils (such as kerosene, paraffin oil, etc.) shall be considered as adulterants.
6. The product shall make a stable emulsion in distilled water when diluted at the rate of 5 percent. The emulsion shall stand for at least twenty-four hours showing no sign of oil float (unsaponified or free oil).

## Cresylic Disinfectants

1. The product shall be made from that portion of coaltar known as "tar acids" and a soap derived from a fat or oil of vegetable origin.
2. It shall contain not less than 45 percent of tar acid, as determined by the method described in USP XI for the assay of cresol in the saponated solution of cresol.
3. It shall contain not more than 25 percent inert ingredients (water plus glycerin).
4. The phenol coefficient shall be determined by the F. D. A. method using *B. typhosus* as the test-organism and shall be clearly stated on the label attached to each shipping container.
5. It shall contain less than 5 percent of phenol (carbolic acid).
6. It shall make clear solutions with distilled water within the concentration range of from 1 to 5 percent. Such solutions, when kept in closed containers, shall remain either practically clear or become only slightly opalescent when allowed to stand for twenty-four hours at room temperature away from direct light.
7. It shall retain its liquid consistency when cooled down to O°C and held at this temperature for twelve hours.


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## Broadening the Industry

In discussing the broadening of insecticide industry attention by means of the fellowship at Ohio State, Dr. Campbell said final arrangements of the project are subject to approval of the research foundation of the university and university authorities.

Many of the liquid insecticides of interest to this association, he asserted, have been thoroughly tested against house flies. Their action and relative value against this insect is now well known and the official method of testing them against house flies is gradually being perfected. Similar information concerning important crawling insects has not been obtained. As it cannot be assumed that the information available on house flies is applicable to cockroaches and bed bugs, it is necessary to determine the action and relative value of liquid inseticides on these insects.

## Attendance a Record

A great deal of interest was evident in both the size of the registration and in the attitude of those at the sessions. Attendance at the convention was the largest in history.

W. H. Tisdale, manager of the pest control research section, Grasselli Chemicals Department, E. I. du Pont de Nemours & Co., Wilmington, Del., in his discussion of recent progress in development of insecticides and disinfectants, had some interesting observations.

Losses caused by insects, fungi and bacteria to plants, farm animals and the products of agriculture are estimated in the billions of dollars annually, he said. The progress of man in his battle against them, however, indicates that he probably will be able to maintain if not strengthen his position.

As to the trend of research, he stated that people have become poison conscious. The demand is for pest control chemicals that will destroy life and at the same time will not injure life. The killing chemical must be safe for humans and to harmless animal life and to valuable insects, fungi and soil flora. Fulfillment of these requirements rests on a very sensitive balance. It depends on taking advantage of specific differences in living matter.

The trend, the speaker said, is away from the more universally toxic chemicals and toward the more specific.

He asserted the occurrence of highly effective products in plants, such as formaldehyde, certain dyes, hexyl resorcinal, compounds of creosote and phenol, derivatives of naphthalene, organic sulphur compounds and others are definite proof of results that can be obtained in the laboratory.

## Toxin Bearing Plants Sought

With increasing use, synthesized products are likely to become cheaper to the consumer, while the opposite may be true for the naturally occurring products. The chances are some of our commonly grown farm products may serve as raw material for synthetic pest control chemicals as good as or better than others. New and valuable toxin bearing plants will be discovered somewhere in the world and grown successfully on our lands.

The speaker said the prediction may not be greatly overdrawn that through the development of specifics for numerous uses in the pest control field, our supply houses for such materials will be more like our present drug stores. In this work, more and more thorough and expert services will be required.

He said several thousand new compounds have been prepared and tested in the last few years in chemical synthesis and biological evaluation. Many of them have reached the stage where they are known to have merit. Others may evolve with equal or greater value.

F. W. Reynolds of the National Bureau of Standards, of the U. S. Department of Commerce, discussed commercial standards. He said for decades manufacturers have been testing methods such as the Peet-Grady to improve and maintain the quality of products. Customers are asking for information on these matters. Retailers are going back to manufacturers for help. Manufacturers, by utilizing helpful methods of testing, interpreted by publicly announced standards of quality, can furnish this information, he said. In doing this, they will be helping guide the purchasing habits of the public along constructive lines and incidentally it will be good business.

## Commercial Standards

Among objects of commercial standards he listed:—

1. Promotion of fair competition and stabilization of production and the price structure.
2. The raising of the quality level of merchandise and the maintaining of that high level.
3. Better understanding and better relationships between sellers and buyers.

Considering the objections to standardizations of quality, he said some manufacturers hesitated because they had developed brand names and built up business on them. In answer to this he advised that if they have quality to sell, talk it, and so loudly that the man with only price cannot be heard.

He said some might fear unscrupulous sellers of poor merchandise might seize on government promulgation of standards of quality to pass off low quality goods as conforming to the standards. They overlook the fact that such manufacturers no doubt already are using every questionable method of selling available. The few cases of fraudulent use of a commercial standard in labeling can be readily detected and dealt with, he felt.

The only resolution of general interest passed at the meeting was one authorizing the telegraphing of Governor F. F. Merriam of California, requesting him to veto the California food and drugs bill, known as California Assembly 1253. This is a piece of legislation that association authorities have considered especially likely to have a harmful effect on the industry in case of its passage.

## Robinson-Patman Act

The association approved a change of constitution relative to the time of holding the association meetings. The constitution provided the annual meeting shall be held the second week of December, the summer meeting at call of the board of governors. The change provides that the annual meeting shall be held in November or December, and the summer meeting in May or June.

One of the papers attracting attention was that by Richard K. Hines, general counsel of the Vick Chemical Company, New York, on the subject of the Robinson-Patman Act and State fair trade acts.

Stating that he was expressing only his own individual opinions, Mr. Hines maintained that no one has knowledge of the Robinson-Patman act in the precise sense, and until the Supreme Court of the United States finally construes it, all are dealing in prophecy. He pointed out that it was twenty-one years after the passage of the Sherman act before it was finally construed by the Supreme Court, and by the time this act is passed upon, all will have had time to forget any false prophecies. He stated that it was his opinion that, as to the law's constitutionality, nothing contained will invalidate the act as a whole. "Even if the Supreme Court should find," he added, "that there is only one meaning which can be given to a certain provision, and as a result of that meaning that the provision is unconstitutional, only that particular provision will fall. The act is separable, that is, its provisions are not so interrelated that the destruction of a part will vitiate the whole." Mr. Hines then went into an exhaustive examination of the act, its probable meaning, and interpretations of its various factors.

# Rotenone Determination Solvents Are Compared

A comparative analysis of the efficiency of various solvents in the determination of the rotenone content of several botonical materials has been contributed to the *Journal of the Society of Chemical Industry* by W. M. Seaber, of Salamon & Seaber, of London. Mr. Seaber's article, which is printed in the May issue of the journal, contains a wealth of data derived from a number of experiments with derris, cube, timbo, and barbasco. He summarizes the results of this work as follows:—

### Extraction

The main object of this paper has been to record the differences in the determinations of rotenone content of derris roots, etc., that we have obtained by the use of various solvents, and more particularly the large differences that sometimes occur between the results of carbon tetrachloride extraction and of cold chloroform extraction respectively.

Work carried out over a considerable period in connection with regular consignments of derris, timbo, and barbasco roots has led to the conclusion that

(Continued on page 37)

# Dyestuffs and Textile And Leather Chemicals

**Myrobalans Lower—Wattle Bark Higher—Egg Products Continue Dull — Corn Derivatives Quiet — Alumina Chloride Steady —Soda Prussiate Prices Repeated for Third Quarter**

Business in dyestuffs and tanstuffs continued highly irregular during the week just closed. The irregularity in the call reflected continuance of an effort to hold down commitments to actual production requirements. Seasonal influences on production schedules in certain textile and tanning units caused a close adherence to the hand-to-mouth policy. Changes included a reduction in myrobalans and a slight advance in wattle bark.

Egg products moved through another dull week, and, while imports of egg yolk were rather heavy last week, resulting in some competition among sellers, the market price position was about unchanged, for late cables from the primary point indicated that prices there were stronger. Corn derivatives moved through a comparatively slow week. Bichromates remained firm. Alumina chloride was steady, and prices for yellow potash prussiate and soda prussiate were extended to cover the third quarter. The market for zinc dust was quiet, but a steady tone governed the dealings, for the basic metal continued steady. Quebracho was quiet. Annatto and cochineal displayed a steady tone.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Wattle bark, $1 per ton.

**Reduced**

Myrobalans, $1 per ton.

### Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 154.1 | 154.1 | 154.1 | 152.5 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Chemicals

**Alumina Chloride.**—A good demand was in evidence for this product during the week. Prices remained steady to firm.

**Antimony Salt.**—This market continued to experience a fair demand throughout the week. No change was disclosed in quotation.

**Potash Bichromate.**—The market continued to note a good demand throughout the week just ended. Sellers reported quotations were decidedly firm.

**Potash Prussiate.** — Demand for red prussiate was fairly good. No change was uncovered in quotations. Business in yellow prussiate was fair. Prices have been extended to cover the third quarter.

**Soda Bichromate.**—This situation offered little change during the course of the week just closed. Manufacturing consumers continued to order out supplies in fair volume. Sellers reported quotations were firm.

**Soda Prussiate.**—There was little to report in this market during the course of the week just closed. Prices have been extended to cover the third quarter.

**Zinc Dust.**—Business here was quiet during the week. Prices held steady, for the basic metal market continued to display a steady tone.

## Dyestuffs

**Annato.**—There was a spotty demand in evidence in the market for paste and seed annatto. Sellers reported quotations were steady to firm.

**Archil.**—Although the market revealed little improvement, manufacturing consumers continued to order out supplies for immediate wants only. No change was disclosed in quotations.

**Cochineal.**—While the market moved through another drab week, as far as demand was concerned, sellers reported quotations displayed a steady to firm tone.

**Fustic.**—Continuance of a highly irregular demand was reported in this direction last week, indications were that consumers remained aloof from the dealings until wants reached an imperative stage. Prices were firm.

**Indigo.**—Business in the market for synthetic indigo continued to move at a good pace throughout the week. The volume of business moved reached an aggregate sufficient to give the market a firm tone. The call for natural indigo was spotty. Quotations were unchanged.

**Madder, Dutch.**—While the call continued slow, a few small jobbing quantities making up the call. Prices were firm. Firmness in price was attributed to the small amount of material on hand.

## Sizing Materials

**Albumen.**—The market for edible egg albumen continued quiet during the week. Sellers reported prices were unchanged, for cables from the primary market continued to tell of the firm tone in the dealings there. Blood albumen noted a good demand. Prices were firm.

**Dextrin.**—A firm tone continued to govern the market for corn derivatives. Prices ruled unchanged.

**Egg Yolk.**—This market noted a dull demand again last week, and firmer cables from abroad tended to offset the competitive condition of the local market as far as the price structure was concerned. Prices were about the same as in the previous period.

**Frozen Eggs.**—The market on the New York Produce Exchange was quiet. June whole mixed futures closed on Friday at 17.00c. asked; July, 17.20c. asked; August, 17.40c. asked; September, 17.60c. asked; October, 17.75c. asked.

The recovery in numbers of laying birds from the losses associated with the drought of 1934 has been halted and a part of the gain will probably be lost, as a result of high feed costs this season. The number of chicks and young chickens on farms of crop correspondents on June 1 was 15 percent less than a year earlier, while the number of hens in laying flocks was only 3 percent greater than last year. The extent of the probable decrease will depend partly upon later hatchings and partly upon the amount of encouragement producers may have during the summer and fall to hold present layers over to next season, and to save for layers more or less than the usual proportion of this year's small crop of pullets. Hens laid 52.5 eggs per hundred layers on June 1 compared with 51.2 last year and with a 5-year (1928-32) average of 49.8 eggs. The present production of eggs per hundred hens is higher than on any previous June 1 of the record beginning with 1925. A high May 1 record was established last month also. The high proportion of 1936 pullets in the laying flock, and the close culling this season owing to high feed costs, help to explain the present high rate of the production per hen.

The indicated total June 1 production of eggs by farm flocks was about 5 percent greater than in 1936, but between 2 and 3 percent less than the 5-year (1928-32) June 1 average, according to the crop reporting board.

**Starch.**—A firm tone prevailed in the market for corn derivatives. Demand showed little improvement, consumers were adhering to the policy of ordering out immediate wants only. The market otherwise was a rather quiet affair.

## Tanning Materials

**Divi-Divi.**—The market for this product continued dull throughout the week, prices were strictly nominal.

**Gambier.** — The call for common gambier was spotty again last week, prices were strictly nominal. The call for Singapore cubes and plantation gambier was irregular, but a steady to firm tone was noted in quotations.

**Mangrove Bark.**—This market presented little change during the week, with the exception that demand was a pace slower. No change was uncovered in quotations.

**Myrobalans.**—This market continued to note an irregular demand during the week. Sellers reported a lower price for J1 myrobalans at $28 per ton and J2 myrobalans continued dull, the price was listed at $20.25 per ton.

**Quebracho.**—This market presented little change last week. Sellers reported prices were firm and demand was fair.

**Sumac.**—Another quiet week was experienced in this direction, consumers were ordering out moderate quantities and price for ground sumac was listed at $58 per ton and the leaf product was priced at $65 per ton.

**Valonia.**—This market continued to note a fair demand for beards, the price was $47 per ton and no change was uncovered in quotations for cups.

**Wattle Bark.**—Sellers reported a fair demand in evidence in this market. Price was $40.50 per ton.

**Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7**

## Insecticide Makers Adopt Specifications

(Continued from page 36)

carbon tetrachloride cannot be relied on to extract rotenone completely, and we have come to prefer the cold chloroform process, which seems to give results higher than those with any other solvents tried, with the exception of hot ethyl acetate. In the few experiments made the latter solvent gave results approximately the same as those with cold chloroform, if pure rotenone were calculated, but the complexes were usually more impure than those obtained by cold chloroform extraction.

Extraction in a Soxhlet apparatus with trichloroethylene as recommended by Cahn and Boam was tried in a few cases. Most of the results were not far from those obtained by chloroform, though always a little lower, but in two cases the results were decidedly lower.

In any case a cold extraction process seems preferable on account of changes that may take place on long heating.

Objection might be taken to the chloroform process as applied by Beach on the following grounds:—(a) Error introduced by the taking of an aliquot, (b) evaporation during filtration. I have shown, however, that the former error is very small in relation to a process of this kind, and the latter is also very small, and tends to counteract the former. The chloroform process of Rowaan [*Chemische Weekblad*, 1935, 32, 291] avoids the taking of an aliquot, but we have found Beach's process more convenient.

In view of our results it seems probable that a fair proportion of published results for rotenone are decidedly low.

**Purity of Complex**

It has been customary to return crude rotenone. The process would be more satisfactory, however, if pure rotenone could be returned. Unfortunately, in our experience, there seems to be no really satisfactory process for arriving at the exact purity of the complex, but as an approximate process for commercial purposes polarization probably could be used.

I suggest therefore that the best method for commercial purposes is to extract with cold chloroform, crystalize from carbon tetrachloride, determine the purity of the complex by polarization, and return percentage of "pure" rotenone in the root. The results in general would probably be only a little higher than those obtained by the use of carbon tetrachloride or trichloroethylene, but the very low results obtained with some samples when carbon tetrachloride is used for extraction would be avoided.

It is possible, of course, that some other solvent would be preferred on further investigation, but we have found chloroform to be the most convenient and reliable solvent we have tried so far. In any case it is very desirable that some sort of standard procedure should be adopted.

## $H_2O_2$ Improves Tobacco

A process has been developed in Germany involving the use of hydrogen peroxide for improving the quality of inferior-grade, heavy, domestic tobacco for pipe smoking. According to information received by the Department of Commerce from the consul at Frankfort-on-Main, the new hydrogen peroxide treatment enables the conversion of tobacco of 2 to 2.5 percent nicotine content to much milder tobacco without impairing its desirable smoking qualities.

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### Five-hundred-forty-fifth Recapitulative Instalment

**(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)**

## 5-Amino-4-ethylsulphonylbenzotrifluoride-2-sulphonic Acid

**Dye**

Intermediate (Brit. 446532) in making various dyestuffs

## 5-Amino-4-phenylsulphonylbenzotrifluoride-2-sulphonic Acid

**Dye**

Intermediate (Brit. 446532) in making various dyestuffs

## Bornylresorcinol

**Chemical**

Starting point (Brit. 444351) in making—
- Fat-splitting catalysts and emulsifying agents, for use in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and nonaromatic secondary amines (the salts of the products with water-soluble or water-insoluble acids, and the quaternary ammonium salts, are claimed to be valuable for the purposes named)

## 2-Chlor-3-amino-1:5-bistrifluoromethylbenzene-6-sulphonic Acid

**Dye**

Intermediate (Brit. 446532) in making various dyestuffs

## Magnesium Carbonate

**(Continued from June 7 issue, wherein the name of the substance was misspelled as "Magnesium Carbinate")**

**Glass**

Ingredient of—
- Milky glass batches
- Opaque glass batches
- Semiopaque glass batches
- Semitranslucent glass batches

**Gum**

Ingredient of—
- Antiseptic chewing gum (U.S. 1991726)
- Chewing gums (U.S. 1401452)
- Chicle substitute

**Ink**

Ingredient of—
- Lithographic inks
- Mimeographic inks
- Products for preventing "smut" in printers' inks

**Insecticide and Fungicide**

Ingredient of—
- Croton-bug repellants
- Fly repellants
- Insect repellants
- Roach repellants
- Rodent repellants
- Thymol mixtures for repelling insects

**Leather**

Ingredient of—
- Artificial leather (U.S. 1427754)
- Quebracho tanning compounds
- Tanning compounds

**Metallurgical**

Case-hardening agent in—
- Finishing metals (U.S. 1499285, French 640681)

Ingredient of—
- Ferromanganese fluxes (U.S. 1467546)
- Metallurgical fluxes
- Ore-briquetting binder (U.S. 1356100)

Process material in—
- Aluminum-coating iron
- Treating copper slags

Process material in making—
- Antimony
- Bearing and bushing alloys (French 576735)
- Beater metals
- Bismuth
- Breaking engine metals
- Cadmium
- Cobalt
- Copper
- Gold
- Iron
- Lead
- Magnesium (U.S. 1408141, 1408142 and 1457225; French 488735)
- Magnesium alloys (U.S. 1408141 and 1408142)
- Manganese
- Mercury
- Silicon (U.S. 1518872)
- Silicon alloys (U.S. 1518872)
- Silver
- Tin
- Zinc

**Mining**

Neutralizing agent (U.S. 1315836) for—
- Mine waters

**Miscellaneous**

Ingredient of—
- Binders made with paper mill cellulose sulphite liquors
- Can-sealing compound (U.S. 1386620)
- Cleaning compositions and powders
- Dentifrices (U.S. 1470794, 1492299, and 1467024)
- Embalming fluid (U.S. 1390393)
- Gasket compositions
- Heat-producing compositions
- Marking chalks
- Motion picture screens
- Putty compositions
- Waterproofing for fishing lines
- Waterproofing for silk lines
- Wax crayons

**Paint and Varnish**

Ingredient of—
- Coldwater paints
- Luminous pigments (Brit. 391914)
- Pigment (U.S. 1411839)
- Varnish substitute (U.S. 1315137)

Starting point (U.S. 1315137) in making—
- Flat driers

**Paper**

Process material in making—
- Binders by admixture with cellulose sulphite liquors
- Paper containers for greasy products (U.S. 1324849)
- Paper containers for lard and lard substitutes (U.S. 1324849)
- Paper containers for oils (U.S. 1324849)

**Petroleum**

Decolorizing agent for—
- Mineral oils

Process material (U.S. 1343100) in—
- Distillation of shale oil

**Pharmaceutical**

Ingredient of—
- Bacterial compost (U.S. 1515016)
- Compound containing also acetylsalicylic acid (U.S. 1486002)
- Lozenges (U.S. 1450865)
- Pills (U.S. 1450865)

**Plastics**

Filler and pigment in making—
- Casein compositions (U.S. 1437487)
- Ivory substitutes (U.S. 1514509)
- Plastics (U.S. 1468331)
- Record discs (U.S. 1315137)
- Shellac substitutes (U.S. 1315137)

**Refractory**

Ingredient of—
- Bricks
- Firebrick
- Furnace linings (U.S. 1444527)
- Refractory products (U.S. 1483468)

**Rubber**

Carrier (U.S. 1418976) of—
- Vulcanizing accelerators

Filler in—
- Caoutchouc compositions (U.S. 1437487)
- Hard rubber substitute (U.S. 1315137)
- Light-sensitive rubber (U.S. 1309703)
- Spongy rubber (U.S. 1422884)

Fire-retardant and filler (Brit. 404691) in—
- Fire-resisting rubber compositions and products

Polymerizing agent (Brit. 393600) in making—
- Rubber substitutes, suitable for rubberized fabric, tires, tubes, shoe heels, and other articles, from uncracked hydrocarbon distillates, cellulosic materials, such as hay, bagasse, silage, straw, cornstalks, and sugary bodies, such as molasses, maltose, glucose, syrups, honey, sorghum cane

**Stone**

Ingredient of—
- Artificial stone

**Textile**

Ingredient of—
- Fabric stiffeners (U.S. 1421700)
- Waterproofings for cotton line
- Weighting solutions for rayon and silk (U.S. 1896381 and 1896858)

**Water and Sanitation**

Reagent for—
- Separating grease or oil from water

Treating agent for—
- Sewage (U.S. 1364387)

## Manganese Chloride

**(Chlormangan, Chlorure de Manganese, Chlorure Manganeux, Cloruro de Manganesa, Chloruro Manganoso, Manganchlorur, Manganese Protochloride, Manganous Chloride, Manganum Chloratum, Protochlorure de Manganese, Salzsauresmanganozydul)**

**Adhesives**

Ingredient (U.S. 1273571) of—
- Adhesive composition

**Building and Construction**

Starting point (French 655911) in making—
- Cements for coatings, stuccos, mosaics, by reacting with zinc oxide

**Cellulose Products**

Catalyst (French 660623) in making—
- Cellulose esters

**Chemical**

Catalyst in—
- Cellulose saccharification (U.S. 1428217)
- Chlorination of organic compounds

Catalyst (U.S. 1428217) in making—
- Alcohol
- 2-Furfuraldehyde
- Methanol

Ingredient of—
- Catalytic mixtures used in making ammonia

Process material in making—
- Acetal (U.S. 1312186)
- Lead chloride (U.S. 1441063)
- Manganese dioxide (U.S. 1289707)
- Manganese oleate
- Manganese oxalate
- Manganese oxide (U.S. 1327536 and 1520305)
- Manganese phosphate (U.S. 1206075)

Promoter (French 689040) of—
- Ammonium chloride crystallization from its solutions

Starting point in making—
- Catalysts (U.S. 1520305)

**Dye**

Catalyst in—
- Chlorination processes

Process material in making—
- Chrome brown

**Electrical**

Process material (U.S. 1221991) in making—
- Depolarizers for dry batteries

Substitute for—
- Sal ammoniac in charging electric batteries, the Lenelanche cells

**Fertilizer**

Stimulant in—
- Fertilizer compositions

**Firefighting and Fireproofing**

Ingredient of—
- Fire extinguisher (U.S. 1421436)
- Fireproofing composition for wood (U.S. 1126132)

**Fuel**

Accelerator (Brit. 405371) of—
- Hydrogen formation in destructive hydrogenation of coal or petroleum

**Metallurgical**

Addition agent (U.S. 1960700) to electrolyte in making—
- Magnesium alloys

Ingredient (U.S. 1269443) of—
- Iron-pickling solution

Process material in producing—
- Copper (U.S. 1441063)
- Gold (U.S. 1236236)
- Iron (U.S. 1236236)
- Lead (U.S. 1441063 and 1485909)
- Zinc (U.S. 1236236)

Rustproofing agent (U.S. 1206075) for—
- Iron and steel

Source (U.S. 1377374) of—
- Manganese in manganese-magnesium alloys

Treating agent for—
- Argentite (U.S. 1441063)
- Chalcocite (U.S. 1441063)
- Copper ores
- Galena (U.S. 1441063)
- Lead ores
- Silver ores

**Miscellaneous**

Enrichener (U.S. 1142153) for—
- Radium substances

Ingredient of—
- Compositions added to water to preserve cut flowers
- Composition for producing heat upon the addition of water (U.S. 1901313)
- Motion picture screen composition (U.S. 1166569)
- Stamp pad composition (U.S. 1268135)

**Paint and Varnish**

Ingredient (U.S. 1291186) of—
- Drier

Process material in making—
- Chrome browns

**Paper**

Reagent (U.S. 144469) in making—
- Photographic paper

**Petroleum**

Accelerator (Brit. 405371) of—
- Hydrogen formation in destructive hydrogenation processes

**Pharmaceutical**

In compounding and dispensing practice

**Textile**

**Dyeing**

Mordant in—
- Dyeing processes

Processing agent in—
- Dyeing cotton to brown or bronze

Promoter (Brit. 404005) of—
- Membrane formation when using aluminum salts as resists in azo-dyeing

**Printing**

Mordant in—
- Printing process

**Water and Sanitation**

Process material (U.S. 1455363) in making—
- Artificial zeolites

## 4-Paracarboxyphenyl-7:8-phthaloyl-2-quinolin Acid Chloride

**Chemical**

In organic syntheses

**Dye**

In dye syntheses

Starting point (Brit. 449263) in making—
- Yellow vat dyes with 1:2-aminoanthraquinone

## Trimethylbetamethyldecylaminoethyl-Ammonium Bromide

**Disinfectant**

Claimed (Brit. 436725 and 436726) to be—
- Bactericide
- Disinfectant

**Insecticide and Fungicide**

Claimed (Brit. 436725 and 436726) to
- Fungicide

# Paint, Varnish, Lacquer Materials

**Carbon Black to Continue Without Change July 1—French Ocher, Siennas and Natural Yellow Oxides Slated for Rise—Rosin Firmer**

Contract interest for the third quarter and for the final half of the year began to take a commanding position in the market last week. The outstanding development in this connection was the news that carbon black prices will continue without change at the half-year mark. According to the reports current, however, the first of the new month will bring higher prices for natural yellow oxides, raw and burnt siennas, and, French ocher. The extent of the advances was not determinable last week. Bone blacks and magnetic iron oxides will not be changed at the beginning of the new quarter.

Sellers of stearate driers were preparing to issue contracts for the third quarter and these will probably be written at the same prices that have prevailed for the past several months, unless a change in costs or unforeseen developments occur within this week.

The forward contract position on titanium pigments, lithopone and zinc oxides was expected to be made known at any moment. Sales trends in the pigment field last week were converse to what they were at the beginning of the month when lead products were slow and other pigments were moving into consumption rapidly. Lead products have picked up quite a bit now while the sales of other pigments to the manufacturers of surface coatings began to slide off under seasonal influences.

Rosin was more active last week, an increase being noted in the inquiry from domestic and foreign buyers, and the trend of prices was upward at times. Turpentine was also somewhat more active so far as the domestic demand was concerned though export trade remained slow. Receipts in primary market showed a further increase as weather conditions were generally favorable for operations in the woods.

Exports of paint products are currently running at from 30 to 40 percent ahead of the corresponding period of 1936 and are keeping pace with the rapid gains being recorded in domestic sales, according to C. C. Concannon, Chief of the Commerce Department's Chemical Division. Exports of paints, varnishes, lacquers, fillers, kalsomines and pigments were valued at $2,011,300 in April, bringing the total for the first four months of the year to $7,260,000 compared with $1,457,550 and $5,663,000, respectively, for corresponding periods of 1936, preliminary statistics show.

Comparing the current April with April, 1936, exports of American paints, varnishes and lacquers increased from 788,060 gallons to 996,750 gallons and from $1,223,000 to $1,592,000 in value. In these classifications lacquers increased from 154,480 gallons to 206,600 gallons; ready mixed paints from 205,550 gallons to 241,875 gallons; and varnishes from 394,030 gallons to 498,375 gallons, statistics show.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Butyl stearate, 1c. per lb.
China clay, dom., wet-ground, 50c. to $1 per ton.
Diamyl phthalate, 1c. per lb.
Bibutyl phthalate, 1c. per lb.
Diethyl phthalate, 1c. per lb.
Gum, copal, Batu, bold scraped, ¼c. per lb.
Rosin, gum, 12½c. to 25c. per 280 lbs.

**Reduced**

Turpentine, gum, ½c. per gal.

### Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **132.6** | **132.6** | **132.6** | **130.0** |

Market news that may have developed after this report was sent to press will be found on page 4.

Building construction in May gained 11 percent over last May, according to the Dodge figures for 37 Eastern states, totaling $244,112,800 against $269,934,200 in April, and $216,070,700 in May last year. Residential building in May amounted to $83,937,000, an increase of 20 percent over last May but sharply lower than the $108,013,400 in April this year. Total construction of all types in the 37 states since the beginning of this year was $1,176,377,200 against $1,004,676,100 for the corresponding five months of 1936.

### Metallic Lead and Zinc

London prices weakened toward the close of the week but were still somewhat above the American parity. The domestic market was mildly active last week and prices were held in a steady position at 5.85c. per pound at East St. Louis and 6c. to 6.05c. per pound at New York. Receipts of lead in ore and scrap by smelters in April totaled 43,773 tons or 14 percent lower than the March total of 50,678 tons but higher than the 35,512 tons received in April last year, according to the American Bureau of Metal Statistics.

Slab zinc stocks continued to decline totaling 13,774 tons at the end of May, according to the American Zinc Institute. May was the eighteenth consecutive month wherein zinc stocks have decreased and the total compared with 13,963, tons at the end of April and 81,562 tons at the end of May last year. May shipments were 55,210 tons against 56,229 tons in April and 43,905 tons in May last year while the production in May was 23,553 tons against 21,333 tons in April and 20,204 tons in May last year. The light supply on hand was equivalent to less than a month's takings. Zinc sales continued to average around 5,000 tons a week, with perhaps a little more than that booked last week. The price was steady at 6.75c. per pound, East St. Louis.

**Lead.**—Prevailing spot prices at New York, East St. Louis, and London for the period from June 5 to June 11, inclusive, were as follows:—

| | Pigs | | |
|---|---|---|---|
| | Per pound | | Spot. London. Per ton |
| | New York. | E. St. Louis. | £ s. d. |
| Saturday | $0.0600@.0605 | $0.0585 | .. .. .. |
| Monday | .0600@.0605 | .0585 | 24 0 0 |
| Tuesday | .0600@.0605 | .0585 | 23 3 9 |
| Wednesday | .0600@.0605 | .0585 | 22 7 6 |
| Thursday | .0600@.0605 | .0585 | 22 5 0 |
| Friday | .0600@.0605 | .0585 | 22 5 0 |

**Zinc.**—Prevailing spot prices at New York, East St. Louis, and London for the period from June 5 to June 11, inclusive, were as follows:—

| | Slabs | | |
|---|---|---|---|
| | Per pound | | Spot. London. Per ton |
| | New York. | E. St. Louis. | £ s. d. |
| Saturday | $0.0710 | $0.0675 | .. .. .. |
| Monday | .0710 | .0675 | 22 13 9 |
| Tuesday | .0710 | .0675 | 22 1 3 |
| Wednesday | .0710 | .0675 | 21 6 3 |
| Thursday | .0710 | .0675 | 20 17 6 |
| Friday | .0710 | .0675 | 20 17 6 |

### Pigments

Lead pigments came under the favor of buyers in better fashion than for any time since the close of March. The heavy purchases made during the closing days of the year's first quarter have evidently been absorbed by manufacturing operations and consumption, and replacement business has improved measurably during the past two weeks. Last week's trade was quite good. On the other hand, other pigments seemed to have reached their seasonal peak and the volume was now ebbing. Sales of titanium pigments were quite a bit slower; zinc oxide sales to the paint trade were a little slower, and lithopone also lacked snap. There were no changes in prices last week.

**White Lead.** — The improvement in replacement purchasing which was first reported a week ago was much more evident last week and the market's activity was better now than it had been for some weeks. Buyers had stocked up heavily during March when

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**

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● Alkali Blue Toner is obtainable in different types of bronzes varying in an undertone range from decided red to a very clear green tone. Ink Bodies, without varnish separation, are compounded to meet your specifications.

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● Calco's Iridescent Violet Toners are especially prepared for clean violet ink of the fugitive type. These products are available in shade variations to match your requirements. They are absolutely odorless.
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prices were rising and the current activity was prefaced by a two-months period of very little buying. Prices held a steady position.

**Red Lead.** — In company with other lead products, there was a more widespread interest in the market last week. The market had been idle for some time prior to the revival of buying attention a week ago. Car lot and l.c.l. prices have not been changed for some weeks.

**Litharge.** — This commodity was also in better request last week. As in the case of other lead derivatives, the market emerged from a long period of dullness which followed the heavy purchasing during the closing days of the year's initial quarter. There has been no shift in the price structure for several weeks.

**Lithopone.** — Although trade had livened at the beginning of the month, interest in ordering was mild last week. Nothing has been mentioned yet regarding prices for beyond the end of the month, but it was expected that the sellers would make known their forward position within a few days.

**Titanium Pigments.** — Sellers have not taken a position for beyond the end of the month, but the forward contract price situation should be made known this week.

**Zinc Oxides.** — Forward prices for beyond the end of this month were expected at any moment. The demand from the paint manufacturing industry was a little less active last week, which the sellers attributed to seasonal influences.

## Fillers and Extenders

Producers of wet-ground china clay advanced prices but there has been no change in the price of the dry-ground article and the general price structure of other commodities included in the group of fillers and extenders was without other change. According to reports from producers, there was a very definite movement toward strength in the prices for talc in the northern New York industry. Chalk whiting, tripoli, pumice and others were without feature.

**China Clay.**—Producers of water-ground material have advanced prices. Material running 99.9 through 325 mesh was quoted at $9 per ton, in bulk, f.o.b. producing point, a rise of 50c. per ton, and $12 per ton in paper bags at the producing point, an advance of $1 per ton. Quotations in both instances were for car lot amounts.

**Gilsonite.**—There has been no recent change in prices for this commodity. Selects and brilliant blacks have held at the levels that have been in force for some time.

**Graphite.**—A survey of leading suppliers indicated that market conditions were steady and there has been no change in the price structure.

**Metronite.**—The price rise of some weeks ago held firmly and the market was reported last week as having been without further change.

**Pumice.** — Both the domestic and foreign ground materials were without price shift. Demand, according to recent reports, have been quite good.

**Rottenstone.**—This commodity was also without price shift and continued in routine fashion.

## Dry Colors

Prices on carbon black for the final half of the year will continue without change from current levels. Bone blacks will enter the third quarter of the year without change. However, it was understood that higher ocean freight rates will be responsible for a raise in prices of French ocher on the first of next month and other materials expected to rise at that time include raw and burnt siennas and also natural yellow oxides. Synthetic iron oxides will continue without change. It is expected that some other changes may be made for third quarter business on some of the chemical colors but there was no mention of what materials might be included.

**Bone Blacks.**—Sellers were not going to make any change in prices on July 1 and sellers expected that the stabilization of prices would lend material assistance to the consuming trades.

**Carbon Black.**—Prices for the final half of the year will continue without change from the current price levels, despite increased production costs. The current schedule of prices has been in effect for some time.

**Iron Oxides.**—Suppliers of magnetic oxides have indicated that prices will not be changed at the beginning of the third quarter.

**Ocher.** — Because of higher ocean freight rates, it was understood that prices for all shades of French material will be advanced July 1. Details of the advance were not known.

**Sienna.**—Both raw and burnt siennas will be advanced in price on the first

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of next month, according to the reports in the market at this time. The extent of the advance however, was not known.

**Spanish Oxides.**—Importers say they cannot determine when further shipments from abroad will be made. In the meanwhile a price of 3½c. per pound, delivered, was a nominally representative figure for the market whereever supplies that were not earmarked for regular customers could be found.

**Yellow Oxides.**—Among the earth colors slated for price increase on the first of the month were the natural yellow oxides but the extent of the price rise could not be determined at this time.

## Varnish Gums

The price for bold scraped Batu gum continued onto a higher plane last week. Last week's rise of ¼c. per pound was the third advance in as many weeks and together with Singapore dammar gum showed the strongest tone of any of the natural gums. Trade was very quiet last week, with very little contract booking for forward delivery and only a mild rate of ordering against agreements previously booked.

**Copals.** — The price of Batu bold scraped gum advanced another ¼c. per pound last week. This was the third advance in as many weeks, and the car lot basis for quotations was now 6¼c. per pound. Usual differentials for smaller quantities were in force. This grading of gum was the strongest in the copal list. Otherwise there was no changes during the week and trade was quiet.

**Dammars.** — Singapore gums continued in a firm position, but there were no further changes in the market last week. Batavia gums were also without shift. In company with other natural resins there was very little trade done for either forward or spot position last week.

**Kauri.** — April receipts of gum at Auckland totaled 265 tons, and the exports from New Zealand totaled 265 tons. Shipments to this country were 110 tons. Receipts of gum from interior gathering points totaled 923 tons during the first four months of the year and the exports during the same period totaled 1,319 tons, according to private advices. Continued exports in excess of receipts has caused a gradual disappearance of old stocks of gum held in the New Zealand fields since the early days of the depression and, trade was now depending practically on the current supplies.

## Synthetic Resins

Sellers have not taken a position on the market for beyond the end of the month. Although the time for issuance of third quarter contracts was approaching, the sellers have not done anything on price since the reduction of a few weeks ago. Coumarone-indene resin prices for the final half of the year have not been established as yet.

## Naval Stores

A rather firm tone prevailed much of the time last week in primary and local markets for naval stores, the improvement in this respect being more noticeable in the case of rosin than in other pine products. There was a disposition in some local quarters to take a rather more optimistic view of the whole situation, however, and the same apparently applied to some extent to members of the trade in other centers. In the local market the improvement in sentiment was apparently due to some increase in buying interest here on the part of domestic consumers of both rosin and turpentine, and to an upward trend in primary rosin quotations. Also export inquiries for rosin were received more numerously from Europe and South America.

Domestic purchases of turpentine in tankcars were said to have shown a rather noteworthy increase although daily transactions in barrels as officially reported were rather moderate. Consumption is said to have increased recently in fields in which the use of turpentine was curtailed for a time by labor troubles. Demand for rosin from consumers in the soap industry was regarded as disappointing by some for this period of the year but, on the other hand, manufacturers of paper were said to be manifesting greater interest in primary centers.

As a result of more favorable weather conditions in many parts of the South recently, especially in the matter of night temperatures, production and marketing operations have expanded and the movement from the interior to the seaboard markets showed a further expansion. The outward movement from primary markets being lighter than in the previous week, stocks of both rosin and turpentine showed an increase at one time. Supplies in the three principal markets, however, are still much smaller than at this time last season.

**Turpentine.**—There were reports of a somewhat better inquiry in the local market though as in recent preceding weeks much of the purchasing was limited to unimportant quantities, consumers still being disinclined to provide to any extent for future requirements. Price movements were within rather small limits in company with the course of quotations in the South, where the tone of the markets appeared to be steady or firm. Receipts showed an increase, weather conditions generally being favorable for production and marketing operations.

SAVANNAH, June 11.—The market was more active and the undertone remained firm. Following is a record of the market for the week:—

| | Cents per gal. | Barrels Sales. | Re-ceipts. | Ship-ments. | Stocks. |
|---|---|---|---|---|---|
| Saturday... | 34½ | 32 | 542 | 42 | 28,179 |
| Monday..... | 35 | 281 | 381 | 287 | 28,273 |
| Tuesday.... | 34½ | 275 | 839 | 143 | 28,969 |
| Wednesday.. | 34 | 125 | 650 | 10 | 29,609 |
| Thursday .. | 34 | 257 | 369 | 84 | 29,894 |
| Friday .... | 34¼ | 137 | 584 | 1,877 | 28,601 |

JACKSONVILLE, June 11.—The ruling tone in the turpentine market was firm. Sales were fair. Following is a record of the market for the week:—

| | Cents per gal. | Barrels Sales. | Re-ceipts. | Ship-ments. | Stocks. |
|---|---|---|---|---|---|
| Saturday.... | 34½ | 100 | 311 | 1,985 | 27,018 |
| Monday.... | 34¼ | 144 | 513 | ... | 27,531 |
| Tuesday.... | 34½ | 83 | 328 | 41 | 27,818 |
| Wednesday.. | 34¼ | ... | 281 | 2 | 28,097 |
| Thursday .. | 34¼ | ... | 156 | ... | 28,253 |
| Friday .... | 34¼ | ... | 253 | 185 | 28,321 |

PENSACOLA, June 5.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

| | Barrels Re-ceipts. | Ship-ments. | Stocks. |
|---|---|---|---|
| Monday ..... | 236 | ... | 15,383 |
| Tuesday ..... | 147 | 162 | 15,368 |
| Wednesday ..... | 143 | ... | 15,511 |
| Thursday ..... | 149 | 384 | 15,276 |
| Friday ..... | 108 | 163 | 15,221 |
| Saturday ..... | 179 | 127 | 15,273 |

CHICAGO, June 11.—Although prices for turpentine have shown no improvement, the tone is reported considerably stronger, and the general feeling seems to be healthier in the market. Orders are coming in rapidly from the trade, with both wholesale and retail business reported on a good plane. Sellers are enjoying active business. Ruling prices at the close of business last night were:—Five-drum lots, 45c. per gallon; five wood barrels, 50c.; single drums, 48c.; single barrels, 53c.

LONDON, June 11.—Quotations on turpentine were as follows:—

| | Per cwt. In bbls. s. | d. |
|---|---|---|
| Saturday ..... | 37 | 6 |
| Monday ..... | 37 | 6 |
| Tuesday ..... | 37 | 6 |
| Wednesday ..... | 37 | 6 |
| Thursday ..... | 37 | 6 |
| Friday ..... | 37 | 6 |

Stocks of American turpentine in London were:—

| | June 11. | Previous week. | Last year. |
|---|---|---|---|
| Barrels ..... | 15,761 | 16,577 | 9,010 |

**Rosin.**—An upward trend of quotations was reported in primary markets where the undertone was generally firm. Despite an increase in receipts, daily offerings were light or moderate. There was a fairly active demand here from local and other consumers, transactions for the week being reported as somewhat larger than in the previous period. A favorable development was an increase in the export inquiry, European and South American interests manifesting more interest in the situation here.

SAVANNAH, June 11.—A firm tone prevailed. Domestic and foreign trade was fairly active. Following is a record of the market for the week:—

| | Price per unit—Low of range quoted— Sat. | Mon. | Tues. | Wed. | Thurs. | Fri. |
|---|---|---|---|---|---|---|
| B ..... | $7.40 | $7.50 | $7.70 | $7.50 | $7.60 | $7.60 |
| D ..... | 7.60 | 7.60 | 7.75 | 8.00 | 7.80 | 7.80 |
| E ..... | 7.80 | 7.85 | 8.00 | 8.00 | 8.00 | 8.00 |
| F ..... | 7.80 | 8.12½ | 8.20 | 8.05 | 8.07½ | 8.07½ |
| G ..... | 7.80 | 8.12½ | 8.20 | 8.05 | 8.07½ | 8.07½ |
| H ..... | 7.80 | 8.12½ | 8.20 | 8.05 | 8.07½ | 8.07½ |
| I ..... | 7.80 | 8.12½ | 8.20 | 8.05 | 8.07½ | 8.07½ |
| K ..... | 7.80 | 8.12½ | 8.20 | 8.05 | 8.07½ | 8.07½ |
| M ..... | 8.05 | 8.15 | 8.20 | 8.05 | 8.10 | 8.07½ |
| N ..... | 8.05 | 8.15 | 8.20 | 8.05 | 8.10 | 8.07½ |
| WG ... | 8.12½ | 8.25 | 8.20 | 8.20 | 8.15 | 8.10 |
| WW ... | 9.10 | 9.20 | 9.20 | 9.20 | 9.10 | 9.10 |
| X ..... | 9.10 | 9.20 | 9.20 | 9.20 | 9.10 | 9.10 |
| Barrels | | | | | | |
| Sales .... | 272 | 669 | 971 | ... | 954 | 587 |
| Receipts.. | 1,985 | 1,952 | 2,767 | 1,926 | 1,403 | 2,165 |
| Shipments. | ... | 480 | 1,194 | ... | 280 | 1,329 |
| Stocks .. | 45,176 | 46,648 | 48,221 | 50,147 | 51,270 | 52,100 |

JACKSONVILLE, June 11.—Rosin offerings were generally light or moderate and

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**

ORGANIC AND INORGANIC
PIGMENT
COLORS
IMPERIAL
PAPER AND COLOR CORPORATION
PIGMENT COLOR DIVISION
GLENS FALLS, NEW YORK
*Branch Offices and Warehouse Stocks:*
PHILADELPHIA—BALTIMORE—CINCINNATI—ST. LOUIS
NEW YORK — DETROIT — DALLAS — SAN FRANCISCO
PITTSBURGH — CHICAGO — LOUISVILLE — TORONTO
BOSTON — LOS ANGELES — SEATTLE — CLEVELAND
THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

EARTH COLORS
INDIAN - TURKEY - VENETIAN.
OCHRE - SIENNA - UMBERS
JOSEPH A. McNULTY
114 Liberty Street New York

A Coronation in the Lacquer Industry
FOR many years Imperial Ester gums have been known as the standard of quality in the lacquer field.
No. 8L Ester — for light color varnishes and lacquers.
X Pale Ester — for very pale lacquers.
BK Ester — for darker and more durable varnishes and lacquers.
No. 100 Ester — alcohol soluble gum.
IMPERIAL BRAND

Samples of any Imperial Ester gum or Lewisol Synthetic resin supplied free on request.
JOHN D. LEWIS
*Mfrs. of Lewisols and Imperial Ester Gum*
INCORPORATED
PROVIDENCE, R. I.
*Manufacturers of Synthetic Resins*
STOCKS CARRIED AT MAJOR SHIPPING POINTS

FILAC ★ ★ FILAC
Clear, solub'e nitrate film scrap—a valuable, economical ingredient for industrial lacquers, artificial leather, airplane dopes, pyroxylin cements, wall paper coatings.

FILAC ★ ★ FILAC
Produced in our Burbank plant and packed dry in stout wooden cases ready for shipment by all types of transportation.
HORN, JEFFERYS & CO.
CABLES "GALLEON" BURBANK, CALIFORNIA

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.
101 Beekman Street New York

Shawnee DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

Get Rid of
"The Skin They Hate to Touch"
GUAI-A-PHENE
Prevents This Needless Waste

Guai-A-Phene is an effective anti-skinning agent for use in paints and varnishes. A small quantity, easily added at room temperatures, prevents skinning. Guai-A-Phene is a money-saving preventive when used with other easily oxidized products and raw materials, too.

For samples and prices of Guai-A-Phene, Sunny South and American Rosin Oils, D.D. Wood Turpentine, Dipentine, Pine Oil, Pine Tar, Pine Tar Oils and NELIO Pure Gum Rosin and Turpentine, write

E. W. COLLEDGE
General Sales Agent, Inc.
CHICAGO 1605 Kimball Bldg.
CLEVELAND 616 Guardian Bldg.
NEW YORK 300 Madison Ave.
SAN FRANCISCO 503 Market Street

the market had a firmer tone. Following is a record of the market for the week:—

| | Price per unit—Low of range quoted— Sat. | Mon. | Tues. | Wed. | Thurs. | Fri. |
|---|---|---|---|---|---|---|
| B | $7.40 | $7.40 | $7.70 | $7.70 | $7.50 | $7.60 |
| D | 7.50 | 7.50 | 7.75 | 7.75 | 7.80 | 7.80 |
| E | 7.60 | 7.90 | 8.00 | 8.00 | 8.00 | 8.00 |
| F | 8.05 | 8.12½ | 8.20 | 8.20 | 8.07½ | 8.02½ |
| G | 8.05 | 8.12½ | 8.20 | 8.20 | 8.07½ | 8.02½ |
| H | 8.05 | 8.12½ | 8.20 | 8.20 | 8.07½ | 8.02½ |
| I | 8.05 | 8.12½ | 8.20 | 8.20 | 8.07½ | 8.02½ |
| K | 8.05 | 8.12½ | 8.20 | 8.20 | 8.07½ | 8.02½ |
| M | 8.05 | 8.12½ | 8.20 | 8.20 | 8.07½ | 8.02½ |
| N | 8.05 | 8.12½ | 8.20 | 8.20 | 8.10 | 8.02½ |
| WG | 8.10 | 8.12½ | 8.20 | 8.20 | 8.15 | 8.15 |
| WW | 8.95 | 9.00 | 9.10 | 9.10 | 9.10 | 9.07½ |
| X | 8.95 | 9.00 | 9.10 | 9.10 | 9.10 | 9.07½ |

| Barrels | | | | | | |
|---|---|---|---|---|---|---|
| Sales | 397 | 465 | 1,005 | ... | 373 | 128 |
| Receipts | 998 | 1,317 | 1,173 | 1,033 | 899 | 1,665 |
| Shipments | 503 | 245 | 126 | ... | ... | ... |
| Stocks | 35,601 | 36,673 | 37,720 | 38,753 | 39,652 | 41,337 |

PENSACOLA, June 5.—The rosin mar-

No. 10 PASTE FILLER

For filling any materials in paste form. Particularly adapted for White Lead.

Write for Quotation

ARTHUR COLTON CO.
2624 E. Jefferson Avenue
DETROIT - MICHIGAN

ket was quiet. Following is a record of the week:—

| Barrels | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. |
|---|---|---|---|---|---|---|
| Receipts | 678 | 496 | 377 | 445 | 206 | 486 |
| Shipments | 164 | 81 | 461 | 211 | 81 | 281 |
| Stocks | 19,785 | 20,200 | 20,115 | 20,350 | 20,475 | 20,680 |

CHICAGO, June 11.—Business has been picking up considerably in the naval stores markets, with rosin demand reported accounting for its share. Orders are being placed at a rate which is lending considerable tone to the general situation. The price structure has shown a turn for the better and it appears buyers are anxious to get in before possible further advances occur. Ruling prices at the close of business last night were:—B grade, $10.70 per lot of 280 pounds; G grade, $11.20; M grade, $11.20; W.W. grade, $12.20.

LONDON, June 11. — Quotations on American rosin were as follows:—

| Per cwt. in barrels | Common. s. | d. | W.W. s. | d. |
|---|---|---|---|---|
| Saturday | 20 | 3 | 22 | 3 |
| Monday | 20 | 3 | 22 | 3 |
| Tuesday | 20 | 3 | 22 | 3 |
| Wednesday | 20 | 3 | 22 | 3 |
| Thursday | 20 | 3 | 22 | 3 |
| Friday | 20 | 3 | 22 | 3 |

**Pine Oil.**—The market remained in a firm position. The inquiry continued good and the movement into local and other consuming channels was steady.

**Pitch.**—Demand was fairly active and the market retained a steady tone. Quotations were generally maintained at previous levels.

**Rosin Oil.**—Quotations were stationary but the tone of the market was regarded as somewhat firmer. There was a fairly active inquiry though consumers were not inclined to anticipate.

**Tar.**—Selling schedules were held at former levels, the tone of the market being firm. Business was fairly active.

## Shellac

The foreign shellac markets were easier and somewhat lower last week. Open quotations on the spot were not affected but in view of the competitive character of the market, values were none too steady and some indicated that they were subject to shading from time to time. Some business went to the foreign markets during the past week but the size of the transactions were evidence of the conservatism exercised by importers in covering possible requirements of the future. However, it was felt that business would show a gain in the months ahead and hence the business done for import during the period under review.

**London,** June 11.—London quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows:—

| | June 11 Shillings. Cwt. | Cents. lb. | June 4 Shillings. Cwt. | Cents. lb. |
|---|---|---|---|---|
| August | 45 | 9.8 | 47 | 10.2 |
| October | 46 | 10.0 | 48 | 10.4 |

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day closing prices were as follows:—

| | Per hundredweight— August. | October. |
|---|---|---|
| June 4 | 47s .. | 48s .. |
| June 5 | No cables | |
| June 7 | 46s 6d | 47s 6d |
| June 8 | 45s 6d | 46s 6d |
| June 9 | 46s .. | 47s .. |
| June 10 | 46s .. | 47s .. |
| June 11 | 45s .. | 46s .. |

**Calcutta,** June 11.—Prices quoted on pure T. N. c.&f. New York, basis of sterling exchange at $4.88, were as follows:—

| | Per pound— June 11. | June 4. |
|---|---|---|
| June | 9⅝c | 9⅝c |

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

| | Per pound. |
|---|---|
| June 4 | 9⅝c |
| June 5 | No cables |
| June 7 | 9⅝c |
| June 8 | 9⅝c |
| June 9 | 9⅝c |
| June 10 | 9⅝c |
| June 11 | 9⅝c |

## Lacquer Materials

Business in the market for lacquer materials was featured by an advance in butyl stearate, diamyl phthalate, dibutyl phthalate and diethyl phthalate. Sellers reported general demand was fairly good in all directions of the market, but it was evident consumers were taking a more conservative with regards supplies, for production schedules in some consuming industries were reflected depressed seasonal influences. Reports from the automobile industry had it that the output was being curtailed, and May production was somewhat under the April total. Automobile manufacturers were laying final plans for changing over to 1938 models.

**Acetone.**—A fair demand was reported for this product. Prices ruled firm.

**Butyl Alcohol.**—A good inquiry was noted in this market, sellers reported quotations were steady.

**Butyl Stearate.**—An advance of 1c. per pound was reported in prices for the third quarter.

**Diamyl Phthalate.**—An advance of 1c. per pound was made in prices for the third quarter, making the schedule 19½c. to 20½c. per pound, according to quantity.

**Dibutyl Phthalate.**—Sellers reported an increase of 1c. per pound in this product, making the schedule for the third quarter, 21c. per pound in drums.

**Diethyl Phthalate.** — This market noted an advance of 1c. per pound in price, sellers were asking 18c. to 19½c. per pound, according to quantity, for the third quarter.

(Continued on page 56)

LAMP CARBON BONE BLACKS LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

Lacquer and Varnish Gums
Thurston & Braidich, Importers, 286 Spring Street, New York

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for twenty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
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GOOD PAINTERS' CAPS are an asset to your business
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Orders accepted for prompt or deferred shipment.
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NATIONAL ROSIN OIL AND SIZE COMPANY
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PURE CHROMIUM OXIDES are STRONG - INERT - PERMANENT

C. K. WILLIAMS & COMPANY
EASTON·PENNSYLVANIA

# Oils, Fats and Waxes

**Sales of Tallow at a Further Advance — Greases Also Stronger —Linseed and Soybean Oils Reduced by Producers —Chinawood Lower—Menhaden Fishing Poor**

The price trend was downward in the market for miscellaneous oils, fats and greases last week, but offerings of many products were light on spot and for shipment, and late in the week the prevailing tone appeared to be steady. Business was somewhat more active. Few consumers were disposed to depart from a conservative course in making purchases, but an increase was noted in demand for comparatively small or moderate quantities of various commodities, and the movement of such lots for the week apparently showed some increase in the aggregate over recent preceding periods.

As to changes in prices, tallow was a firm feature, sales being reported at a further advance. Offerings remained light on the rise. Greases were firmer with tallow. Lard quotations were irregular on spot, changes being in company with the fluctuations in futures in Chicago. Sales of stearin were reported at higher prices. Oleo oil was advanced but quotations on other animal oils were stationary. Fish products were generally well maintained. Chinawood oil continued in downward trend abroad and here, and oiticica oil was also easier. Soybean oil was reduced again by producers. Crude coconut oil was a shade lower.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Grease, ½c. per lb.
Oleo oil, ⅜c. per lb.
Stearin, ½c. per lb.
Tallow, ¼c. per lb.

**Reduced**

Candelilla wax, ½c. per lb.
Chinawood oil, ¼c. to ½c. per lb.
Coconut oil, crude, ⅛c. per lb.
Lard, 20c. to 25c. per 100 lbs.
Linseed oil, 2-10c. per lb.
Oiticica oil, ¼c. per lb.
Soybean oil, ½c. per lb.

### Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **142.8** | **143.2** | **143.8** | **112.1** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Vegetable Oils

**Babassu.** — The market remained in a steady position, 9c. to 9¼c. per pound being quoted for tankcars, July forward delivery. New business was quiet, the principal activity being in the delivery of oil on contracts previously placed. According to official statistics, consumption of babassu oil in the manufacture of margarin in April was 3,031,847 pounds against 2,354,322 pounds in the previous month, and 2,864,050 pounds in April last year.

**Chinawood.** — An easy tone prevailed much of the time, the markets here and on the Coast being influenced by developments at Hankow, where the trend of prices was downward in the main. Business was reported to have been closed here at as low as 12c. per pound at one time for July forward delivery in tankcars, though higher figures were named in some quarters. Transactions for the week were apparently light. According to official statistics, exports from Hankow to the United States in May were the largest for many months past, amounting to 7,927 short tons against 6,328 in the previous month and 7,728 in May, last year. Stocks at Hankow at the close of May were 3,500 short tons, against 3,540 last year. Reports from Hong Kong state that a number of wealthy Chinese merchants from the Straits Settlements have formed a company capitalized at $60,000 in American currency for the purpose of establishing new chinawood oil groves in Kwangsi Province near Liuchow. Approximately 5,000 acres of uncultivated land will be taken over by the new company.

**Coconut.** — Domestic markets remained in an easy position in the absence of any improvement in demand, or any change for the better in conditions prevailing in the primary center for copra and coconut oil. Copra was reported as slightly easier on the Coast although offerings continued light. Local quotations on crude oil were shaded ⅛c., 6⅛c. per pound being named for spot oil in tankcars, and 6c. per pound for July forward. Refined oil was steady at previous prices, with trade reported as quiet. Consumption of coconut oil in the manufacture of margarin during April was only 4,096,154 pounds against 12,333,793 pounds in April last year.

**Corn.**—The market retained a steady tone, quotations generally being held at the levels prevailing in the previous week. Offerings of crude oil for prompt and nearby delivery continued to be reported as light. Trade in refined oil was fairly active.

**Cottonseed.**—Edible oil was more active though purchasing was generally limited to moderate quantities. The market was steady, quotations being maintained at previous levels by refiners.

**Oiticica.**—The market was easier in company with chinawood, quotations being shaded ¼c. per pound. Offerings were reported as light on spot and for shipment. According to a report from Washington, the commercial importance of oiticica oil is rapidly increasing. Many small crushing plants have been constructed in the northern part of Brazil. The various producing states have placed an embargo upon the exportation of seed to prevent the development of oiticica plantations in other parts of the world. Brazilian statistics show that 7,244,200 pounds of oil were exported from that country last year, the United States taking 4,229,600 pounds, Germany 1,789,600 pounds and Belgium 591,000 pounds. Approximately 46,000 pounds of nuts were exported to Argentina.

**Perilla.**—Demand was rather slow, weakness in other paint oils making consumers inclined to hold off. Offerings were generally light and the market remained steady, previous quotations generally being repeated.

**Rapeseed.**—For spot oil 95c. per gallon continued to be quoted and there appeared to be none available at less than that figure.

**Soybean.**—The market continued easy, influenced by weakness in other oils and the absence of any improvement in demand. Quotations were reduced ½c. per pound by producers.

### Markets at Other Centers

**Chicago,** June 11. — Only a limited amount of activity has been visible recently in the general vegetable oil list. Buyers are in no disposition to over-extend themselves and it appears that quite limited purchases are all that are necessary to take care of their actual, current needs. Tone of the market as a whole is moderately steady, with a few irregularities here and there.

COCONUT.—Crude oil, 5¾c. to 5⅞c. per pound, prompt shipment; 5½c. to 5⅝c., deferred.

CORN.—Crude, low acid, 8¾c. to 8⅞c. per pound, mills, partly nominal. Refined, edible oil, 11½c. to 12c., drums, car lots; 13c. to 13½c., drums, less than car lots.

CHINAWOOD.—Ruling, spot, drums, 14c. to 14¼c. per pound; futures, 12⅝c. to 12¾c.

SOYBEAN.—Crude, prompt shipment, 8c. to 8¼c. per pound, drums.

PEANUT.—Crude, 9c. to 9¼c. per pound, Southeast.

**Chicago,** June 11.—Range for soybeans for the week ended June 9: No. 2, spot; high, $1.59; low, $1.47½.

**San Francisco,** June 9.—Although part of the trade reported a scattered interest in coconut oil, both for prompt and deferred positions, the vegetable oil market in the main last week was a quiet and uninteresting affair.

Ruling prices are:—

BABASSU.—Quoted at 8¾c. per pound in tankcars, nominally, f.o.b. mill, Pacific Coast for July/August shipment. Spot and nearby oil scarce.

COCONUT.—About steady, with the market spotty. Quoted at 5½c. per pound for future delivery on contract, tankcars, f.o.b. Pacific Coast ports and/or mills. Prompt and nearby oil is quoted on the basis of 5¾c. per pound.

COPRA.—A few parcels were understood to have been taken up, but as a rule transactions were spotty and below routine, a reflection of a slow period in coconut oil sales by the mills. Steamer freight space is easing up a little and arrivals and shipments to the Pacific Coast are better. Quoted on the basis of from 3.50c. to 3.55 per pound, c.i.f. Pacific Coast ports.

CHINAWOOD.—Easier, with the consuming trade not interested. Quoted for any position through the year, June forward from the Pacific Coast at 12¼c. to 12.3c. per pound in tankcars, f.o.b. Pacific Coast ports.

COTTONSEED.—Easier.—Japanese semi-refined oil quoted at 9.40c. per pound, June/July shipment from the Orient, with some spot and nearby stocks and nearby arrivals available on this basis, tankcars, f.o.b. Pacific Coast ports. Brazilian and Chinese oil is quoted on the basis of $9.20c. per pound; all duty paid.

PERILLA.—Forward and prompt shipment oil is quoted on the basis of 10.40 per pound in tankcars, f.o.b. Pacific Coast ports, duty paid. The market is rather quiet.

SESAME.—Crude oil is quoted strictly nominal at 9⅛c. per pound in tankcars, f.o.b. Pacific Coast mills.

TEASEED.—Quoted in a nominal position at from 9⅛c. to 9¼c. per pound in tankcars, f.o.b. Pacific Coast ports, July/August shipment from the Orient.

**London,** June 3. — Soybean, British crude, 32s, 6d. per hundredweight; palmkernel oil, refined, 35s, 3d.; rapeseed oil, crude extracted, 36s.; coconut oil, Ceylon, 29s.; peanut oil, Bombay crude, 31s. 6d; sardine oils, 21s.; whale oil, crude, 22s. 6d.

## Linseed Oil

Flaxseed markets were quiet. Changes in quotations were generally moderate. Linseed oil lower. Cake and meal steady.

**Flaxseed**—DULUTH, June 11.—The market for flaxseed futures was quiet during

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

STEARIC ACID
Single Pressed and Double Pressed
*Now available in either cake or flake form*
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *{distilled}*
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*{very pale yellow, especially suitable for best types of dry cleaners' soaps.}*
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We Specialize in WHITE OLEINE
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• COCONUT • CORN
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*Factory:* Boonton, N. J.
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WECOLINE PRODUCTS INC.

OILS
CHINA WOOD OIL
PERILLA OIL
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L.N. JACKSON & CO. Inc.
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Stearic Acid
for all purposes
RED OIL • • • GLYCERINE • • • CANDLES
THE M. WERK CO., CINCINNATI, OHIO, U.S.A.
Established 1832
New York Sales Office • 15 Moore St., • New York City
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the past week. Changes in quotations were generally moderate. Crop news mainly favorable.

The week's closing price range was as follows:—

| | Cash. | July. | Sept. |
|---|---|---|---|
| Saturday | $1.92 | $1.90 | $1.90 |
| Monday | 1.90 | 1.90 | 1.88 |
| Tuesday | 1.93 | 1.93 | 1.91 |
| Wednesday | 1.93 | 1.93 | 1.91 |
| Thursday | 1.94 | 1.94 | 1.92 |
| Friday | 1.91½ | 1.91½ | 1.89½ |

Crop movement in bushels follows:—

| | Receipts— 1937. | 1936. | Shipments— 1937. | 1936. |
|---|---|---|---|---|
| This week | ..... | 49,110 | 54,221 | .... |
| Since Aug. 1 | 954,186 | 3,657,792 | 1,094,569 | 2,540,367 |

**MINNEAPOLIS**, June 9.—Local flaxseed offers of the week were virtually all of domestic origin and in fairly active demand up until today. Receipts came to the local market from a wide territory, some fairly good quality arriving from Montana. Very few cars came from that state during the main shipping season and present offers are resulting from a clean-up of old season supplies not required for seed purposes. Considerable North Dakota quality arrived on the market in addition and represented a post-season clean-up of surplus stocks.

Offers met with fairly good reception and early in the week prices showed a tendency to gain on futures. Crushers were the main buyers as they had no Argentine supplies of consequence arriving. Elevator operators continued to take ordinary seed for cleaning and hedged the flax in July futures.

Shipping advices are dropping off gradually and apparently the bulk of the old crop has been cleaned up. However, the post-season run exceeded expectations. Farmers have been delivering considerable seed at interior elevators, in small lots, chiefly bags.

More Argentine seed is expected at Duluth most any day and crushers are not depending on domestic supplies to care for their requirements. They do want some good domestic seed to mix with Argentine where oil requirements as regards iodine content are specifically required.

Seeding reports are quite satisfactory and the trade is anxious to get a line on acreage.

The week's closing price range was as follows:—

| | Cash. | July. | Sept. |
|---|---|---|---|
| Saturday | $1.93½ | $1.90½ | $1.90 |
| Monday | 1.91½ | 1.89½ | 1.88 |
| Tuesday | 1.95½ | 1.92½ | 1.91½ |
| Wednesday | 1.95½ | 1.92½ | 1.91½ |
| Thursday | 1.95½ | 1.92½ | 1.91½ |
| Friday | 1.93 | 1.90 | 1.90 |

Crop movement in bushels as follows:—

| | Receipts— 1937. | 1936. | Shipments— 1937. | 1936. |
|---|---|---|---|---|
| This week | 145,710 | 44,240 | 18,460 | 15,160 |
| Since Sept. 1 | 3,941,800 | 7,823,270 | 456,700 | 1,361,810 |

**WINNIPEG**, June 11.—The market for flaxseed futures was quiet and irregular. Trade in cash seed was also slow. The week's closing range was as follows:—

| | Cash. | July. | Oct. |
|---|---|---|---|
| Saturday | $1.62¼ | $1.63½ | $1.61 |
| Monday | 1.63⅜ | 1.64⅜ | 1.62 |
| Tuesday | 1.65¼ | 1.66½ | 1.66 |
| *Wednesday | ... | ... | ... |
| Thursday | 1.65¼ | 1.66½ | 1.66 |
| Friday | 1.63 | 1.64 | 1.62⅜ |

* Holiday.

**BUENOS AIRES**, June 11.—Opening prices per bushel on June contracts were:—

| | Last week. | Last year. |
|---|---|---|
| Saturday | $1.30⅝ | $1.18⅞ |
| Monday | 1.29½ | 1.19⅝ |
| Tuesday | 1.28⅞ | 1.18⅝ |
| Wednesday | 1.29⅜ | 1.19⅝ |
| Thursday | 1.29⅛ | *.. |
| Friday | 1.29⅛ | *.. |

* Holiday.

### Exports

| To— | Bushels— Last week. | Previous week. | Last year. |
|---|---|---|---|
| United States | 106,000 | 610,000 | ..... |
| United Kingdom | ..... | ..... | 4,000 |
| Continent | 201,000 | 1,047,000 | 272,000 |
| Orders | 476,000 | 169,000 | 181,000 |
| Others | 276,00 | 358,000 | ..... |
| Totals | 1,059,000 | 2,184,000 | 457,000 |

**Since January 1**

| To— | Bushels— This year. | Last year. |
|---|---|---|
| United States | 15,929,000 | 5,582,000 |
| United Kingdom | 472,000 | 295,000 |
| Continent | 10,937,000 | 14,087,000 |
| Orders | 11,900,000 | 6,877,000 |
| Others | 3,218,000 | 1,214,000 |
| Totals | 42,456,000 | 28,055,000 |

### Visible Supply

| | Bushels. |
|---|---|
| Last week | 6,693,000 |
| Previous week | 6,299,000 |
| Last year | 6,299,000 |

**INDIA.**—Exports of flaxseed from India last week were as follows:—

| To— | Bushels— Last week. | Previous week. | Last year. |
|---|---|---|---|
| United Kingdom | 464,000 | ..... | 132,000 |
| Continent | ..... | 4,000 | 4,000 |
| Others | 12,000 | 28,000 | 20,000 |
| Totals | 476,000 | 32,000 | 156,000 |

| Since April 1— | Bushels— This year. | Last year. |
|---|---|---|
| United Kingdom | 1,588,000 | 2,236,000 |
| Continent | 84,000 | 540,000 |
| Others | 92,000 | 20,000 |
| Totals | 1,764,000 | 2,796,000 |

**HULL**, June 11.—Quotations on flaxseed were:—

| | Per ton— La Plata. | Bombay. |
|---|---|---|
| Saturday | £13⅛ | £15⅝ |
| Monday | 13⅛ | 15⅝ |
| Tuesday | 13 | 15⅝ |
| Wednesday | 13 | 15⅝ |
| Thursday | 13⅛ | 15⅝ |
| Friday | 13⅛ | 15⅝ |

**Linseed Oil.**—An easier tone developed as a result of a downward trend recently in flaxseed quotations and also because demand for oil from consumers and dealers remained light. Quotations were reduced 2.10c. to the basis of 10.5c. per pound in tankcars, the usual differential prevailing for oil in cooperage.

Although new business was extremely quiet, there was no slowing down of the movement on contracts previously placed. On the contrary the requirements of consumers in some industries were reported as larger owing to the settlement of labor troubles which curtailed consumption for a time. Consumption in painting and repainting continues on a liberal scale and is expected by not a few to exceed the takings in this field last season.

Demand for cash seed in the Northwest was reported as good and offerings were well absorbed. Importations of 526,920 bushels of flaxseed were reported at this port from Argentine and advices from the Northwest stated that further liberal receipts of Argentina seed are expected there.

Advices concerning the progress of the domestic crop were generally favorable. Further beneficial rains were received during the week and the condition of the soil in most sections was said to be good. There was still a difference of opinion as to the acreage but most indications seemed to point to an increase over the previous season. Seeding operations were being pushed in Argentina. Rainfall in some parts of that country was said to be deficient.

MINNEAPOLIS, June 11.—Demand for linseed oil is passing fair but without feature. Small lots are wanted principally and for nearby shipment. A few scattered sales of medium-sized lots for deferred shipment were reported. Prices were down a couple of points today and crushers expect this change to stir up a little business for deferred delivery. Up to the close of the market today no improvement of importance was noted.

Shipping instructions continue good as paint trade has been good and manufacturers of that commodity are renewing stocks. In fact, business has been good enough with some of the paint makers to cause fill-in buying of linseed oil. Crushers are operating from 65 to 75 percent of their presses currently and have a fair supply of seed to work with. Stocks of oil continue to recede gradually on account of the ample shipping instructions. No change in the pace of operations is planned for the near future, unless stocks disappear at a faster pace then noted currently.

Quotations on carload lots f.o.b. Minneapolis, cooperage, 11.3c. per pound, tankcar lots 10.7c. per pound, warehouse lots 11.7c. per pound, June-August shipments. September-December shipment quoted at 2c. per pound discount under above figures.

Shipments of oil in pounds were as follows:—

| | 1937. | 1936. |
|---|---|---|
| This week | 2,130,758 | 2,978,072 |
| Since Sept. 1 | 57,758,155 | 89,477,035 |

**Chicago**, June 11.—With linseed oil prices reduced slightly, buying has been picking up here a little of late, and the tone of the market is improved, insofar as volume and activity are concerned. The sellers report they are receiving evidences of considerably more interest on the part of buyers. Reports as to consumption are fairly optimistic. Ruling prices are:—Tankcar, 10.7c. per pound; carlots, 11.3c.; warehouse deliveries, drums, 11.7c.

**SAN FRANCISCO**, June 9.—A drop in posted prices on linseed oil by two points was one of the features of the week in an otherwise quiet market here. The Los Angeles area was again reported to have seen some cheap oil moving out. Locally, oil is available at about three points over 10 cents, but the trade is not interested to any extent. Sellers' posted quotations are:—Tankcars, 10.7c. per pound; drum car lots ex-mill, 11.3c.; drum lots ex-warehouse, 11.7c.

**LONDON**, June 11.—Quotations on linseed oil were:—

| | Per cwt. s. | d. |
|---|---|---|
| Saturday | 29 | 10½ |
| Monday | 29 | 9 |
| Tuesday | 29 | 10½ |
| Wednesday | 29 | 10½ |
| Thursday | 29 | 9 |
| Friday | 29 | 9 |

**Cake and Meal.**—A steady tone prevailed, quotations being held at previous levels in the absence of wide changes in flaxseed prices. There was a fair export inquiry for cake. Demand for meal was limited to comparatively small quantities.

**MINNEAPOLIS**, June 11.—The meal market is slightly demoralized and considerably weaker in spite of the efforts of crushers to support prices. More liberal pressure of soybean and cottonseed meal, evidently from storage stocks, was the principal cause of the weakness. For a time this competition was slack and favored the linseed meal manufacturers. Feed mixers still are the best buyers.

Demand from dairy interests and feeders of Minnesota and Wisconsin is very limited on account of lush pasturage to date. As yet there is no sign of a mid-June dry spell. Because of this interior distributors are not keeping their stocks of meal up. There is virtually no interest displayed in offers for deferred shipment.

Quotations on carload lots f.o.b. Minneapolis nominally $39 to $40 per ton. Resellers are offering occasional lots at lower prices.

Shipments of meal in pounds were as follows:—

| | 1937. | 1936. |
|---|---|---|
| This week | 1,694,065 | 3,368,743 |
| Since Sept. 1 | 90,771,779 | 167,780,160 |

**CHICAGO**, June 11.—Demand for linseed meal is not very extensive at this time. Feeders show comparatively little interest in taking out anything like extensive quantities of material at this time. Th buyers are keeping in touch with the market, but actual orders are not reaching any very impressive aggregate. Some observers expect a better feeder demand a little later. Resellers are fairly active. Ruling prices are: Round lots, $41.50 to $42 per ton, largely nominal; car lots, $42 to $43; less than car lots, $44 to $45.

## Cottonseed Oil

Refined cottonseed oil futures were irregular. Trading was fairly active. Southern markets were quiet and steady.

**Cottonseed Oil.**—The market for refined cottonseed oil futures was more active last week although there was little snap to the operations. Sentiment among local and other traders was mixed and changes in prices were frequent. Fluctuations were not very wide, however, as few operators were disposed to add materially to their commitments on either side of the account. On the whole, however, there appeared to be more disposition, for the time being at least, to sell than there was to buy, but as already intimated, few traders were inclined to take the aggressive in selling short.

A bearish development was a reactionary trend in lard futures at Chicago where sentiment among provision interests appeared to be less friendly than recently to the long side. Also the technical speculative position of lard appeared to have been weakened through liquidation of short accounts. Selling of cottonseed oil was attributed in some cases to Western in-

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

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terests. Refiners were also credited with sales of the distant positions though they were supposed to have bought near months. Local traders were sellers of the fall months on firm spots. Commission houses were on both sides of the market.

Marketing of hogs continued light in comparison with the same time last year, receipts in the principal Western markets for four days of the week aggregating 140,300 head against 176,599 head in the same time last year. The average weight of the hogs received in Chicago during the week ended June 5 was 246 pounds against 247 pounds in the previous week. The export inquiry for lard continued slow and at times the trend of American lard in Liverpool was downward. Exports of lard from Atlantic and Gulf ports from November 1 to June 5 were 65,633,095 pounds against 60,576,245 pounds in the same time last season. Importations of vegetable oils from some foreign countries have been lighter recently and some contend that a resumption of heavy importations is not likely to be witnessed unless cottonseed oil prices advance materially. It is not without interest in connection with futures supplies of foreign oils to note that efforts are being made abroad to develop motors using vegetable oils as fuel. In China two recent tests of several hundred miles each were made by Diesel-engined trucks using cottonseed oil as fuel, a speed of 35 miles per hour being attained with the consumption of cottonseed oil at the rate of one gallon in 16 miles.

Reports concerning the progress of the cotton crop were generally favorable and there was a tendency to increase estimates of the yield though late in the week adverse reports were received from parts of the Southwest. According to the weekly government report the condition of the crop in Texas has been improved by rains.

Following is a record of the market for bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from June 5 to June 11, inclusive:—

| | Cents per lb. in tanks—High. | Low. | Close. | | Sales. Tanks. |
|---|---|---|---|---|---|
| June | 9.78 | 9.78 | 9.60 | bid | 1 |
| July | 9.82 | 9.55 | 9.68 | sale | 226 |
| August | ... | ... | 9.68 | nom. | ... |
| September | 9.84 | 9.52 | 9.69@ 9.70 | | 184 |
| October | 9.75 | 9.55 | 9.69 | sale | 133 |
| November | ... | ... | 9.68 | nom. | ... |
| December | 9.76 | 9.47 | 9.61@ 9.62 | | 166 |
| January | 9.78 | 9.51 | 9.62@ 9.64 | | 44 |
| Total sales (34 switches) | | | | | 788 |

Crude, Southeast—Nominal.
Valley—Nominal.
Texas—Nominal.

**Hull,** June 11.—Quotations on cottonseed oil were:—

| | Refined. Per cwt. s. | d. | Egyptian crude. Per cwt. s. | d. |
|---|---|---|---|---|
| Saturday | 31 | 0 | 28 | 0 |
| Monday | 31 | 0 | 28 | 0 |
| Tuesday | 30 | 6 | 27 | 6 |
| Wednesday | 30 | 6 | 27 | 6 |
| Thursday | 30 | 6 | 27 | 6 |
| Friday | 30 | 6 | 27 | 6 |

**Cake and Meal.** — A steady tone prevailed in Southern markets. Quiet conditions prevailed so far as new business was concerned, the slowing down of demand being attributed to increased supplies of green feedstuffs. Offerings continued to be reported as light in all sections.

### Markets at Other Centers

**Atlanta,** June 9.—Prices of cottonseed products were without change during the past week. The market is reported as dull.

Quotations are as follows:—

OIL.—Prime crude, 8¾c. per pound.

MEAL.—7 percent grade, $41 per ton, interior mills.

HULLS.—$13 per ton.

**Memphis,** June 11.—Crude cottonseed oil remains exceedingly dull. Nominal quotation 9c. Mill stocks practically exhausted. Cottonseed meal quiet but offerings light and market steady at $34 per ton for 41 percent, Valley basis. Cake $31.50 per ton. Some trade interest developing in new crop months at around $25 to $26 per ton, Memphis basis. Sales in the pit here today for October delivery at $24.40 per ton. Heavy rains and bad storms in this section last night. Still raining today. Considerable property damage and some crop damage from storms in this section.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

| | June 3. | June 10. |
|---|---|---|
| July | $32.20@— | $31.60@31.90 |
| September | 28.50@— | 25.00@25.25 |
| October | 25.25@25.60 | 24.40@— |
| December | 24.90@25.15 | 24.25@— |

## Animal Oils

**Lard.** — Business continued along narrow lines, consumers still being disinclined as a rule to anticipate to any extent, but there were reports of a somewhat better inquiry for small or moderate quantities for prompt shipment. Quotations were stationary.

**Oleo.** — Quotations were raised ⅝c. per pound, the market being firm at the advance. A more active inquiry was noted from local and outside consumers.

## Fish Oils

**Menhaden.** — An increase was noted in the inquiry for refined oil, but aside from this, the situation lacked new features, the tone of the market being firm with selling schedules held at previous levels. Supplies in some selling quarters are said to be unusually light for this period of the year. Crude was reported as quiet in primary centers, buyers and sellers being inclined to await developments in the fishing situation. Reports concerning results thus far were unfavorable, the catch being small and the oil content of the fish low.

**Whale.** — Refined oil met with a somewhat better demand and the market retained a firm tone. At a conference of whaling interests in London, which was attended by representatives of 11 nations, it was stated by the British Minister of Agriculture and Fisheries that the future of the whaling industry is in jeopardy and that a concerted effort should be made to preserve it, adding that the increased price of whale oil had encouraged the building of more powerful catchers and fish factories, and that if things went on as they were, the blue whale would be exterminated and the Antarctic whaling industry would soon cease.

### Markets at Other Centers

**Baltimore,** June 9.—The catch of menhaden during the first week of this season's operations by the fleet down the Chesapeake Bay and outside the Virginia capes is reported to have been fair, though the fish, as is usually the case so early in the season, yielded little oil. Because of this fact and also for the reason that the factories some time ago contracted for the sale of quite a large quantity of oil on a when-and-if-made basis, made no additional offers of this commodity. It was indicated that buyers might be willing to pay 40 cents per gallon, but the producers, who have placed business at as high as 45 cents per gallon, were seemingly not inclined to take on further commitments at a lower level.

**San Francisco,** June 9.—Fish oils drifted along into another quiet period last week, with no signs of life apparent on either the marketing or production horizons.

In California the operators of the reduction factories had not settled with the fishermen on the matter of tonnage price. Some say this is an obstacle standing in the way of business, but on the other hand, with fish prices settled in the northwest there is still no activity there. Then too the factories can figure pretty close today on the approximate amount to be paid the fleet operators and could, if they wished, make an offering based on maximum cost calculation.

There is but little opinion in the trade regarding the opening prices likely to prevail for new season California oil. Some however, believe that business may be done in the neighborhood of from 40c. to 45c. per gallon, but this is pure speculation and is based perhaps on a short sale made some weeks ago at a figure of 42½c.

## Fats and Greases

**Grease.**—The market was firmer in company with tallow. Quotations were generally ¼c. higher. There was a somewhat better inquiry from local and other consumers.

**Lard.**—Quotations on cash product showed irregularity but changes were generally narrower than in the previous week. There was a fair domestic inquiry. Export trade remained quiet. Receipts of hogs continued rather light in comparison with the movement at this time last year.

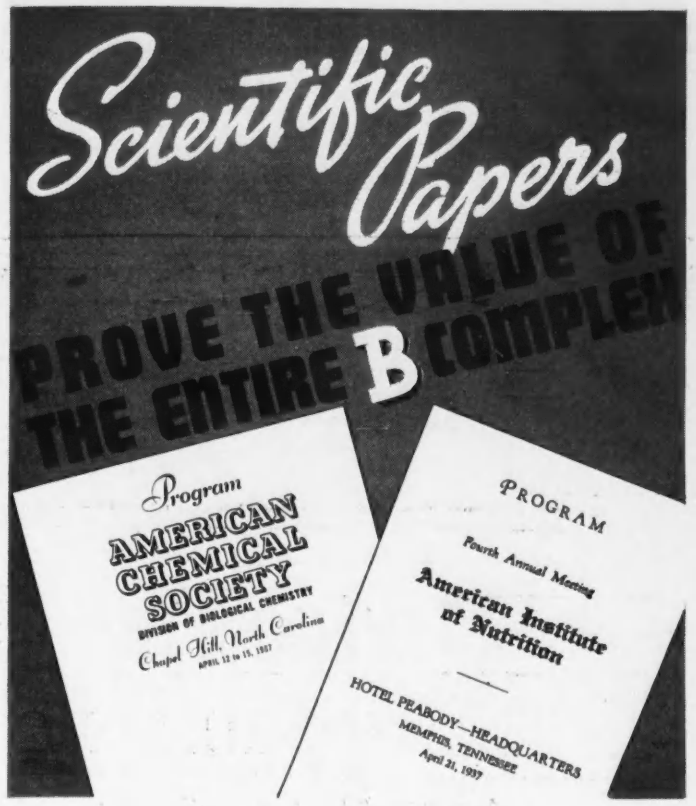
**Stearin.**—Buying interest increased and the market was firmer, sales being reported at an advance to 9½c. In some quarters still higher prices were named.

**Tallow.**—The market was characterized by a firm tone and an increase in the volume of inquiries. Sales were reported at 8¾c. per pound delivered, showing an advance of ¼c. as compared with the last previous transactions. In some quarters still higher prices were quoted. Offerings were light throughout the week. The market for tallow futures was firm, the trend of prices being upward at times.

Following is a record of the market

**(Continued on page 68)**

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**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1. Significance of Quantitative Relationships in Vitamin B Complex Studies. *R. C. Bender and G. C. Supplee.*
2. Vitamin $B_1$ Assay Using the Rat Curative Method. *Flemintine P. Dann.*
3. A Review of the Present Status of the Vitamin B Complex. *C. A. Elvehjem.*

Memphis, Tennessee
*April 21st, 1937*

1. Vitamin B Fractions—Their Nomenclature and Functions. *C. A. Elvehjem.*
2. The Tripartite Nature of Vitamin G. *Samuel Lepkovsky.*
3. Vitamin B Deficiencies as Influenced by Dietary Carbohydrates. *Agnes Fay Morgan, Bessie B. Cook and Helen G. Davison.*
4. The Vitamin B Requirement of Children—The Effect of Varied Ingestion of Vitamin B Upon the Food Consumption of Children. *Fredric W. Schlutz and Elizabeth M. Knott.*

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**Potassium Iodide USP Crystal, Granular or Powder**
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# Drugs, Fine Chemicals

## Rise in Production Costs Brings $2 Rise in Borax, but Boric Acid Holds Unchanged—Epsom Salt Higher—Good Call for Acetanilide—Quinine Demand Excellent

Price developments in the market for drugs and fine chemicals were not numerous last week, but they did come in items productive of a large volume of business and affecting numerous consuming industries. These changes were the advances in quotations on borax and epsom salt. Most items were steady to firm practically all the time in the absence of unsettling competition and in the presence of a very fair, if not, up to normal demand from buyers for consumption or distribution.

The rise in borax had been forecast by two factors. First, labor costs have risen substantially, and, also, so has the cost of materials. Second, demand has been running at a high level for many weeks; some plants have been working at capacity. The advance in price was conservative when compared with rise in costs reported by the producers. Boric acid was not changed.

Epsom salt prices were advanced in the not far distant past and conditions relating to production costs and demand had been such of late as to forecast the rise in quotations which took place last week. The market was firm at the higher level.

Demand for acetanilide continued to be very active for reasons noted in the previous week. Strychnine moved in good volume on sales made direct to co-operatives in the agricultural areas. Glycerin appeared to be approaching a stabilized position, but in view of a drop in domestic soap output and the disinclination of refiners to buy foreign crude until forced to do so by circumstances beyond their control, some look for a material firming up of the market in the Summer and Fall months.

An excellent call for thymol was reported and prices strengthened. Quotations on mandelic acid were reduced because of the exceptionally competitive market that has developed; quoted prices were subject to shading, it was said. Late in the period, producers of iodides were awaiting the result of the bids submitted to supply large quantities of potash iodide and resublimed iodine. Also, quinine producers were awaiting the award on bids to supply some 48,000 ounces of sulphate. Both of these items were to be bought by a Federal buying agency and the bids were scheduled to be opened on June 10.

**Acetanilide.** — Demand was excellent. Movement to makers of para-aminobenzene sulfonamide, highly regarded in the treatment of streptococcal infections, as well as an increasing number of ailments, was running to excellent volume and the result was a market of exceptionally firm undertones in all quarters.

**Acid, Boric.** — Although prices on borax were advanced, those on boric acid were held without change, notwithstanding the considerably stronger position of the basic material.

**Acid, Citric.** — Demand was fine. Hot weather raised the requirements of manufacturing consumers substantially and the out-movement of material to buyers gained steadily throughout the period. Prices were declared to be very steady.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Borax, $2 per ton.
Epsom salt, technical, 10c. per 100 lbs.
U.S.P., 10c. per 100 lbs.

**Reduced**

Acid, mandelic, 60c. per lb.

### Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 181.5 | 181.5 | 181.4 | 178.8 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Acid, Lactic.** — Business in the U.S.P. article was well maintained, though in point of volume it was probably somewhat short of the movement in the recent past. Quotations appeared to be fully steady.

**Acid, Mandelic.** — A sharp reduction in prices resulted from exceptionally keen competition in the market for this item. Quotations were $2.65 to $2.75 per pound in fiber drums, and $3 in 5 pound bottles. Even these prices were subject to shading, it was said.

**Acid, Phosphoric.** — Trading was somewhat quiet. Beverage makers took fair sized quantities, but outside of such business the market lacked more than moderate activity. Prices were free of quotable change.

**Acid, Tartaric.**— Excellent demand was the rule. Beverage manufacturers took satisfactory quantities of the item and the business done added to the strength which advancing raw material costs in the recent past had given to the derived article. Quotations were very firm.

**Alcohol.**—Basically, the market appeared to be in exceptionally firm position. Raw material costs were fully free from unsettlement and anything suggestive of possible weakness later on. While manufacturing consumption of the article may have flattened out somewhat by reason of the lessened activity in numerous consuming industries, the basic position of the article has been such as to offset that development substantially. Stocks were said to be no larger than normal reserves should require at this time.

**Aloin.**—Raw material was reported to be exceptionally steady on spot and in the primary market. Hence, the price position of aloin was very steady and with a very fair demand being the rule, the situation seemed to be one of stabilized values.

**Antipyrene.**—Very fair request was noted. The movement was steady and well up to that in recent weeks. Price-wise, the market was considered to be stable and free from unsettling influences.

**Bismuth Metal and Salts.**—Salts continued to sell at prices very close to the actual cost of production, a condition continuing in the market because of the market's competitive character. Based on the cost of metal, considerably higher prices should prevail on salts, it was said.

**Borax.**—A $2 per ton advance was put into effect on June 7, the advance being caused by the higher cost of production that has been brought about by increase in wages and prices for materials. In addition to this, demand has been running at high levels for a long time back, some plants being operated at full capacity. Inasmuch as the advance in borax prices was but five percent, the rise was highly conservative as the increase in production costs has been approximately ten percent to twelve percent. Buyers accepted the rise without complaint and contracts covering the last six months of the year were coming in promptly. The special price for single car lots is no longer quoted. The new schedule of prices will be found in the Prices Current.

**Cadmium Metal.** — A tendency to slacken demand for this article was noted as the principal consuming industries underwent some decrease in the output of their products. Labor troubles have been of considerable influence in this development. However, prices remained very firm.

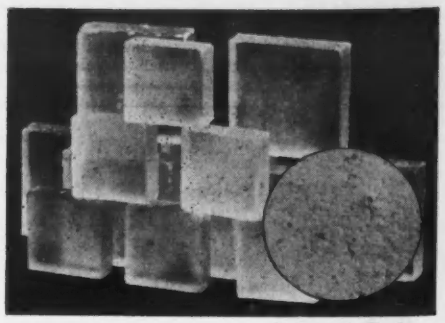
**Castor Oil.**—Business was less expansive than it had been. Consuming industries were reported operating at a somewhat slower pace but the development has been without effect on the price of oil. Undertones continued to be very steady.

CHICAGO, June 10.—Reports reveal a good tone in castor oil. The market prices appear to be reasonably firm. Ruling prices are:—No. 1, drums, car lot, 10⅞c. per pound; drums, less than car lot, 12c.; barrels, car lots, 11⅛c.; barrels, less than car lots, 12¼c.; five-gallon tins, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels less than car lots, 11¾c.

**Cocoa Butter.**—Not much demand

**Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7**

Every Tablet of
SHERKA
CAMPHOR, U. S. P.
(*Synthetic*)
is identical in quality, purity and capacity for camphor action . . .



Surface of Sherka Synthetic Camphor U.S.P. Tablet magnified 150 times to show uniform structure and fineness.

for MEDICINAL, MOTH PREVENTIVE and OTHER PURPOSES
Meets all U. S. P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder—all available from one source.
*Write for comparative samples and prices to*
SHERKA CHEMICAL CO., Inc. or GEORGE UHE COMPANY
Bloomfield, N. J.— Importers 80 Eighth Avenue, New York, N. Y.
Distributors

RUSSIAN WHITE MINERAL OILS
Genuine Imported U. S. P. FLAG BRAND All Viscosities
WHITE OILS
TECHNICAL WHITE OILS FOR INDUSTRIAL USE
Stocks carried in New York and other cities
S. Schwabacher & Co., Inc., 25 BEAVER STREET NEW YORK

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N. Y.
MUrray Hill 6-1990

HEYDEN
*fine chemicals*
FORMALDEHYDE
PARA FORMALDEHYDE
HEXAMETHYLENETETRAMINE
Acetyl Salicylic Acid
Salicylic Acid
Sodium Salicylate
Methyl Salicylate
Minor Salicylates
Guaiacol
Creosote
Guaiacol Carbonate
Creosote Carbonate
Potassium Guaiacol Sulfonate
Benzoate of Soda
Benzyl Chloride
Benzoic Acid
Benzaldehyde
Bromides
Silver Proteins
Glycerophosphates
FINE HEYDEN CHEMICALS
HEYDEN CHEMICAL CORP.
50 UNION SQUARE NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. WACKER DRIVE
*factories:* GARFIELD, N.J. - PERTH AMBOY, N.J.

was reported. Buyers' needs were at a comparatively low level and hence trading was mainly on a hand-to-mouth basis. Prices lacked further development, but the undertone was fairly easy.

**Codliver Oil.**—Prices abroad have been advancing in keeping with the very good sale of the article on contracts calling for later shipment. On the spot, the situation has not reflected fully the situation abroad, mainly for the reason that stocks have been fairly substantial and demand for spot goods has not been very good. Importations during the month of April, according to country of origin, were as follows:

| | Gallons. |
|---|---|
| Denmark | 634 |
| Germany | 17,309 |
| Iceland | 88,116 |
| Norway | 172,626 |
| United Kingdom | 66,950 |
| Canada | 11,522 |
| Newfoundland and Labrador | 11,481 |
| Japan | 45,860 |
| Total | 414,498 |

**Epsom Salt.** — Quotations were advanced 10c. per 100 pounds to cover the rising cost to manufacture the article. The advance was two-fold in character. First, quotations on U.S.P. material were raised and, second, at a later time the prices on the technical grade were increased. The market on dried powder was also higher at 8c. to 10c. per pound for a strictly anhydrous article.

**Formaldehyde.**—Resin manufacturers took very good sized quantities of this item and in keeping with the firmness of raw material costs, the market as a whole was well maintained and free from unsettling influences throughout the past week.

**Glycerin.**—Reports last week were to the effect that stabilization of prices on chemically pure and dynamite glycerin was being sought on the basis of cur-

**Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7**

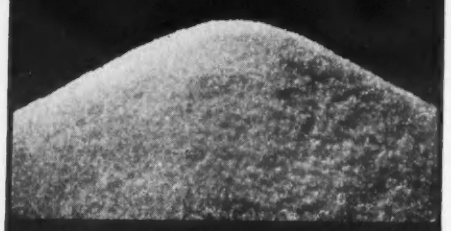
PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City
C/P

McKESSON
*Representing*
E. I. du Pont de Nemours & Co., Inc.
SYNTHETIC CAMPHOR
U. S. P. XI
Solvay Sales Corporation
ALKALIES
Hawaiian Pineapple Company
CITRIC ACID
U. S. P.
Stafford Allen & Sons, London, England
DIGITALIS LEAVES
(ALLEN)
Isdahl & Co., Ltd., A/S
COD LIVER OIL
Acetanilid, Benzoates, Chromic Acid, Chloroform, U. S. P. & Tech.
Menthol, Lycopodium, Paradichlorbenzene, Quinine Sulphate
McKESSON & ROBBINS, INC.
NEW YORK BRIDGEPORT MONTREAL

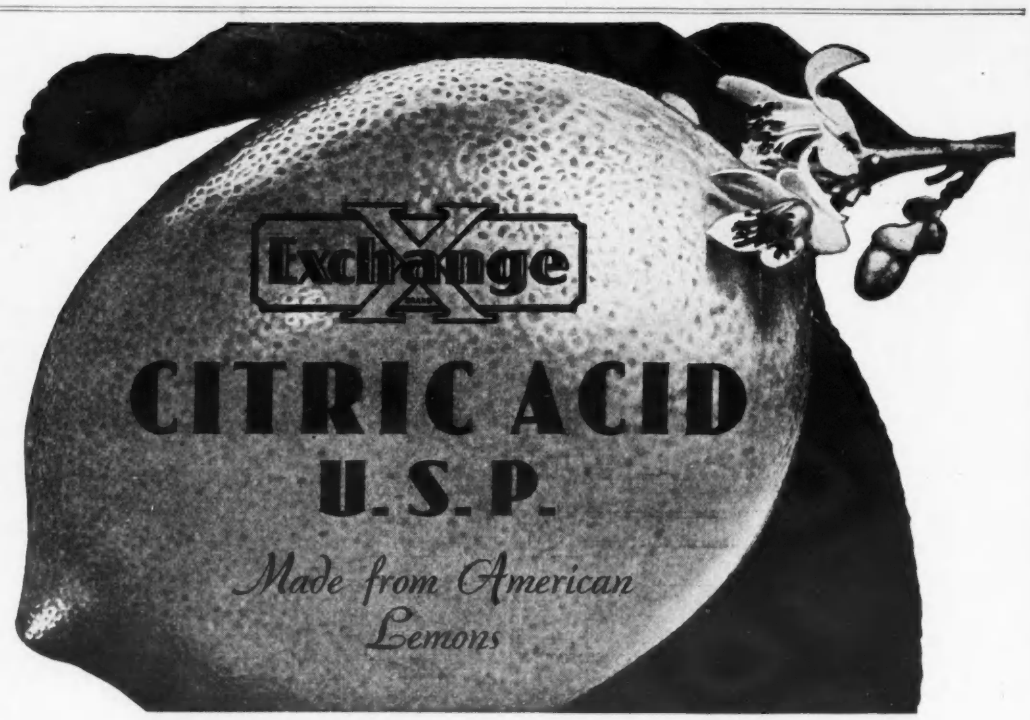
Lactic acid
In ALL Strengths from 22% to 85%
TECHNICAL
EDIBLE
U. S. P.
APEX CHEMICAL CO., Inc.
*Manufacturers Since 1900*
225 West 34th Street, New York City
Factory—Elizabethport, N. J.

MILK SUGAR
NATIONAL BRAND
National Brand Sugar of Milk has been the standard of Quality the world over since 1883.
Powdered Granular
Impalpable
NATIONAL MILK SUGAR CO., Inc.
350 Madison Avenue, New York, N. Y.

Carey PRODUCTS
Carbonate of Magnesia
Oxide of Magnesia
U. S. P. and Technical Grades
THE PHILIP CAREY CO.
*Dependable Products Since 1873*
LOCKLAND, CINCINNATI, OHIO

CRYSTALS

GRANULAR

POWDERED




Exchange Citric Acid U.S.P. is made by the Exchange Lemon Products Company of Corona, Calif. Backed by the Sunkist group of 13,500 citrus growers—largest in the world. Immediate shipments from warehouse stocks in New York, Chicago and Philadelphia. For prices on kegs, barrels or carloads, write nearest office.

*Products Department*
CALIFORNIA FRUIT GROWERS EXCHANGE
ONTARIO, CALIFORNIA
189 W. Madison Street, Chicago, Illinois
99 Hudson Street, New York, N. Y.

Copr., 1938, Products Dept., California Fruit Growers Exchange

ent quotations. However, there seemed o be developing a situation that eventu-lly may result in a substantial increase n the strength of market undertones. Some reports indicate that the produc-ion of soap is undergoing some curtail-ment. That means that the output of domestic crude glycerin may decrease considerably and unless refiners enter the foreign markets—which some of them are not inclined to do sooner than necessity compels—a decrease in the supply of chemically pure material may develop in late Summer and in the Fall. In the meantime, the market was very steady last week.

CHICAGO, June 10.—The market for c.p. and other grades of glycerin has con-tinued quiet and without outstanding fea-ture. The buying is understood to be along lines dictated by seasonal con-siderations. Ruling prices are:—C.p., drums, car lots, 21½c. per pound; drums, less than car lots, 22c.; cans, less than car lots, 23½c. to 25c., according to quan-tity; dynamite, car lots, 21½c.

**Gold Chloride.**—No further reduction in prices was reported and the market as a whole was said to be in very steady position and subject to a very good con-suming demand for both the acid brown and the acid yellow article. The call was seasonal.

**Hydrogen Peroxide.** — Demand con-tinued to be very good but distributors and jobbers had covered their Summer needs in ample fashion in the recent past and consequently the movement to buyers may have been somewhat slower. Prices remained steady.

**Iodine and Iodides.**—The trade was awaiting the result of the bids for potash iodide and resublimed iodine which were to be opened June 10 by the Federal government buying agency. The quantities involved made it very attractive business.

**Methanol.**—The market was one of basically firm undertones, production cost plus demand being sufficient reason for the steady maintenance of quota-tions throughout the past week. Monthly statistics on production of crude and synthetic methanol, repre-senting practically the entire output of these commodities in the United States, have been released by Director William L. Austin, Bureau of the Census, De-partment of Commerce. The data for the months of 1937 include production figures for twenty-eight manufacturers for March and April; twenty-nine for February and January; 1936, thirty-three makers. Wood carbonized amounted to 53,813 cords in January, 50,410 cords in February, 54,164 cords in March, and 52,116 cords in April, comparing with 50,717 cords in Janu-ary, 49,044 cords in February, 47,626 cords in March, and 43,610 cords in April, 1936.

**Production**

| | Gallons | | | |
|---|---|---|---|---|
| | 1937. | | 1936. | |
| | Crude.* | Synthetic. | Crude.* | Synthetic. |
| Jan. .... | 525,070 | 1,835,815 | 494,081 | 1,418,863 |
| Feb. .... | 500,685 | 1,849,302 | 494,144 | 1,540,171 |
| Mar. .... | 546,662 | 2,071,747 | 476,496 | 1,631,832 |
| April ... | 531,727 | 2,138,895 | 426,313 | 1,692,921 |
| Totals. | 2,104,144 | 7,895,759 | 1,891,034 | 6,283,787 |

* The refined equivalent would be approx-imately 82 percent of the crude production.

**Mercurials.**—Raw material remained very firm in price, values being sup-ported by very good demand and ab-sence of normal reserves and offerings at primary market points. Demand for the hard mercurials continued to be in normal volume. Quotations on soft mercurials were firm and about in line with production cost based on the cur-rent price of quicksilver.

**Phenolbarbital.**—Although no change in open quotations was made last week, the market was reported to be gener-ally weak and a decline in quotations would come as a surprise to those well informed on the position of the item.

**Quicksilver.**—The market was firm to strong. Foreign market reports indi-cate that in first hands values were fully maintained, while information from domestic sources of supply show moderate increase in mine operations but no substantial increase in the re-serves available for prompt shipment East. Prices were well maintained in all directions.

SAN FRANCISCO, June 7.—Continued strength is shown in the quicksilver mar-ket, sellers stating there is a steady de-mand for all the material available. The price is about $98 per flask. Production is slightly improved.

**Quinine.**—High demand for sulphate continued unabated. Shipments into Southern territory indicated a buying capacity much larger than usual and showed a need that accounted for the excellent business being done at the present time. Prices named by do-mestic producers and importers were fully firm. The trade awaited the re-sult of bids to supply some 48,000 ounces of sulphate. The bids were to be opened June 10.

**Silver Nitrate.** — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces:—small lots cost from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London are also provided.

| | Per ounce | | |
|---|---|---|---|
| | Nitrate. | Bullion | |
| | Cents. | New York. Cents. | London Pence. |
| Saturday ..... | 32⅞ | 45 | 20⅝ |
| Monday ..... | 32⅞ | 45 | 20⅝ |
| Tuesday ..... | 32⅞ | 45 | 20⅝ |
| Wednesday ..... | 32⅞ | 44⅞ | 20⅛ |
| Thursday ..... | 32⅞ | 44¾ | 20 |
| Friday ..... | 32⅞ | 44¾ | 20 |

**Thymol.** — Prominent sellers of this item reported that demand for the same was excellent. Volume was ahead of that in the recent past and the general price structure was reported to have strengthened substantially.

## F.T.C. Broader Power Proposed by Brookings

(Continued from page 3)

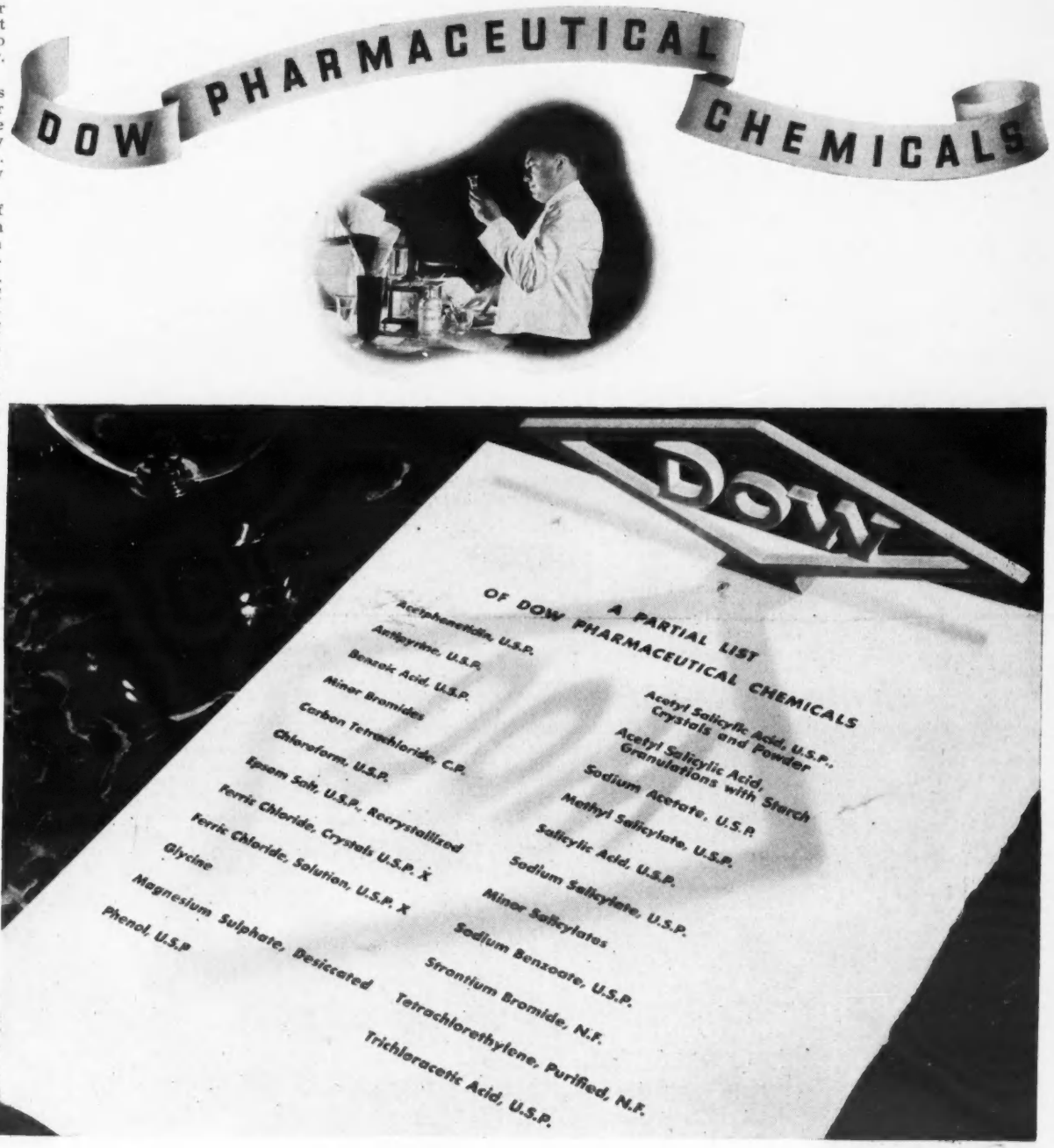
The report contains much of interest to business but since it is in conflict with the plan of government reorgani-zation proposed by President Roose-velt it is doubtful if its recommenda-tions will be embodied in legislation in the near future.

The study is somewhat academic and deals with the entire subject of the regulation of business, quasi-legislative commissions, and administrative law procedure, and its recommendations for the transfer of enforcement functions are given as suggestions only and do not include detailed plans.

Discussing the general subject of business regulation the Brookings re-port proposes that executive depart-ments handle the regulation of com-modities and substances such as making analyses and setting standards, and that independent commissions regulate eco-nomic relationships, business methods, and trade practices. Where there are criminal penalties for the violation of regulatory laws it is recommended that the prosecution of such cases be turned over to the Department of Justice.

## Yahr-Lange Workers Revolt

Employees of Yahr-Lange, Inc., wholesale druggist, Milwaukee, who by a sit-down strike in April forced Fred E. Yahr, president of the company, to resign as general manager, have made a demand to the board of directors that Mr. Yahr resign as president and a director. Mr. Yahr owns 30 percent of the stock of the company. The latest act of the dissatisfied employees caused the closing of the company's place of business June 8. The employees, led by George Huseby, who had suc-ceeded Mr. Yahr as manager, charge that the latter insisted on "butting into" the managing. They called on him to resign in fact. He retaliated by "accepting their resignations." They have refused to resign.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# What You Can Use

## Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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## Mothproofing

### Substances Used as Repellants of Clothes Moths

(Continued from June 7 issue)

Sodium-bis-(2-normal-butoxy-3:5-dichlorophenyl)-5-chlor-2'-sulphophenylmethane
Sodium-bis-(2-normal-butoxy-3:5-dichlorophenyl)-2':4'-disulphophenylmethane
Sodium-2:2'-dinormal-butoxy-3:3'-dimethyl-5':3"-trichlorotriphenyl-methane 6"-sulphonate
Sodium-2:5-dinormal-butoxy-3:5:2':4':6'-pentachlor-2"-sulphotriphenylmethane
Sodium-2:3'-(dinormal-butoxy-3:5:2':4':6'-pentachlor)-4"-sulphotriphenylmethane
Sodium-2:2'-dinormal-butoxy-3:5:2':4':6'-pentachlorotriphenylmethane 4"-sulphonate
Sodium-2:5-dinormal-butoxy-3:5:2':4':6'-pentachlorotriphenylmethane 2"-sulphonate
Sodium-2:2'-dinormal-butoxy-3:5:3':5':3"-pentachlorotriphenylmethane 6"-sulphonate
Sodium-2:2'-dinormal-butoxy-3:5:-3':5:4"-pentachlorotriphenylmethane 6"-sulphonate
Sodium-2:2'-dinormal-butoxy-3:5:3':5'-tetrachlorotriphenylmethane
Sodium-2:2'-dinormal-butoxy-3:5:3':5'-tetrachlorotriphenylmethane 2"-sulphonate
Sodium-bis-(5-chlor-2-methoxy-3-methylphenyl)-4'-sulphophenylmethane
Sodium-bis-(5-chlor-2-methoxyphenyl)-5'-chlor-2'-sulphophenylmethane
Sodium-2:2'-dialloxy-3:5:3':5':-tetrachlorotriphenylmethane 2"-sulphonate
Sodium-dibenzoxy-3:5:3':5':4"-pentachlor-2"-sulphotriphenylmethane
Sodium-dibenzyloxy-3:5:3':5':4"-pentachlorotriphenylmethane 6"-sulphonate
Sodium-bis-(3:5-dichlor-2-benzoxyphenyl)-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-betamethoxyethyoxyphenyl)-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-normal-butoxyphenyl)-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-cyclohexoxyphenyl)-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-ethoxyphenyl)-4'-chlor-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-ethoxyphenyl)-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-isobutoxyphenyl)-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-isopropoxyphenyl)-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-methoxyphenyl)-4'-brom-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-methoxyphenyl-5'-chlor-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-methoxyphenyl-4'-chlor-2'-sulphonphenylmethane
Sodium-bis-(3:5-dichlor-2-methoxyphenyl-5'-chlor-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-methoxyphenyl)-4'-sulphonphenylmethane
Sodium-bis-(3:5-dichlor-4-methoxyphenyl)-2-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-methoxyphenyl)-2'-sulphophenylmethane
Sodium-bis-(3:5-dichlor-2-normal-propoxyphenyl)-2'-sulphophenylmethane
Sodium-dicyclohexoxy-3:5:3':5'-pentachlor-2"-sulphotriphenylmethane
Sodium-dicyclohexyloxy-3:5:3':5':4"-pentachlorotriphenylmethane 6"-sulphonate
Sodium-2:2'-dicyclohexyloxy-3:5:3':5'-tetrachlorotriphenylmethane 2"-sulphonate
Sodium-2:2'-diethoxy-3:5:-3':5':4"-pentachlorotriphenylmethane 6"-sulphonate
Sodium-2:2'-diethoxy-3:5:3':5'-tetrachlorotriphenylmethane 2"-sulphonate
Sodium-2:2'-di-isoamyloxy-3:5:3':5'-tetrachlorotriphenylmethane 2"-sulphonate
Sodium-2:2'-di-isobutoxy-3:5:3':5'-tetrachlorotriphenylmethane 2"-sulphonate
Sodium-2:2'-di-isopropoxy-3:5:3':5'-tetrachlorotriphenylmethane 2"-sulphonate
Sodium-2:2'-dimethoxy-3:3'-dimethyl-5:5'-dichlorotriphenylmethane 4"-sulphonate
Sodium-2:2'-dimethoxy-3:5:3':5':3"-pentachlorotriphenylmethane 6"-sulphonate
Sodium-2:2'-dimethoxy-3:5:3':5'-tetrachlor-4"-bromotriphenylmethane 6"-sulphonate
Sodium-2:2'-dimethoxy-3:5:3':5'-tetrachlorotriphenylmethane 2"-sulphonate
Sodium-2:2'-dimethoxy-3:5:3':5'-tetrachlorotriphenylmethane 4"-sulphonate
Sodium-2:2'-dimethoxy-5:5':3"-trichlorotriphenylmethane 6"-sulphonate
Sodium-2:2'-di(normal)-propoxy-3:5:3':5'-tetrachlorotriphenylmethane 2"-sulphonate
Sodiumdinitroalphanaphthol
Sodium-dinitroalphanaphthol betamonosulphonate
Sodium-dinitronaphthol
Sodium-dinitronaphthol with tricresol in soda lye
Sodium-bis-(2-isobutoxy-3:5-dichlorophenyl)-2'-sulphophenylmethane
Sodium-bis-(2-isopentoxy-3:5-dichlorophenyl)-2'-sulphophenylmethane
Sodium-3:5:3':5':5"-pentachlor-6:6'-dimethoxytriphenylmethane 2"-sulphonate
Sodium-3:5:3':5'-tetrachlor-6:6'-dimethoxytriphenylmethane 2"-sulphonate
Sodium-3:5:3':5'-tetrachlor-4:4'-dimethoxytriphenylmethane 2"-sulphonate
Stearanilide
Stearic acid anilide
Stearylester salt of sulphophthalic acid
Stibincarboxylic acid derivatives
Stibinsulphonic acid derivatives
Strontium acetate
Strontium chloride
Strontium compounds
Strontium nitrate
Strontium oleate
Strontium salicylate
Strontium sulphonates
Strontium soap
Strychnine
Substituted salicyclic acids
Sulpho carboxylic acid esters
Sulphonic acid derivatives of—
(1) Acridin
(2) Anthracene
(3) Diphenylmethane
(4) Ditolyls
(5) Naphthalenes
(6) Para-amidobenzenes
(7) Stibins
Sulphochlorides
2-Sulphonaphthalic acid
Sulphonated bis-(dichlorohydroxyphenyl)-methane
Sulphonated bis-hydroxy-tolylmethane
Sulphonated trichlorodihydroxydiphenylmethane
Sulphophthalic acid amylester
Sulphophthalic acid esters
Sulphophthalic acid secondary octylester
Sulphophthalic acid with paracresol
Sulphophthalic acid paracresylester salt
Sulphurized 1-hydroxy-4-chlor-2-benzoic acid
Sulphurized 1-hydroxy-4-methyl-2-benzoic acid
Sulphurized 1-hydroxy-6-methyl-2-benzoic acid
Sulphurized 2-hydroxy-3-naphtholic acid
Sulphurized oxycarbonic acids
Sulphurized 1-oxy-4-chlor-2-benzoic acid
Sulphurized 1-oxy-4-methyl-2-benzoic acid
Sulphurized 2-oxynaphthoic acid
Talc with chlorocresotinic acid
Tannic acid plus tartar emetic
Tannin
Tar
Tetrachlorocresol
2:4:6:5'-Tetrachlor-3:2'-dihydroxy-4"-sulphotriphenylmethane
3:5:3':5'-Tetrachlor-2:2'-dihydroxytriphenylmethane-2"-sulphonic acid dialphabutylether
3:5:3':5'-Tetrachlor-2:2'-dihydroxytriphenylmethane-2"-sulphonic acid dibetabutylether
3:5:3':5'-Tetrachlor-2:2"-dihydroxytriphenylmethane-2"-sulphonic acid dimethylenephenylether
3:5:5':5'-Tetrachlor-2:2"-dihydroxytriphenylmethane-2"-sulphonic acid dimethylether
3:5:5':5'-Tetrachlor-4:4'-dimethoxytriphenylmethane-2"-sulphonic acid

(To be continued)

HEADQUARTERS
for
NEW CROP
Domestic
CRUDE DRUGS

THE GATHERING SEASON IS NOW IN FULL SWING AND WE ARE OFFERING NEW CROP GOODS FOR PROMPT SHIPMENT. WE DO OUR OWN GATHERING, GRADING AND PACKING — ENABLING US TO SERVE YOU BETTER! . . . . . .

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1228 WEST KINZIE STREET, CHICAGO
THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

## Chemical Exports and Imports at High Point

(Continued from page 5)

61,892 barrels and turpentine from 1,233,000 gallons to 694,000 gallons—but due to the higher prices being received in world markets for these commodities the monetary return in April recorded at $1,599,000, was approximately the same as in April, 1936.

### U. S. Chemical Imports

While chemical imports in all classifications were substantially heavier than a year ago, the more than 50 percent increase recorded in April was due largely to heavy gains in receipts of fertilizers, particularly Chilean nitrate, and raw materials for the paint and varnish industry. More than 30 percent of the April total was made up of raw and semi-manufactured materials for use mainly by the paint and varnish industry. Among such materials were included tung oil, receipts of which, compared with April, 1936, increased from 10,956,600 pounds to 19,508,000 pounds; flaxseed, from 1,036,600 bushels to 2,280,100 bushels; gums and resins from 4,480,000 pounds to 9,815,500 pounds; and pigments and the like from $177,000 to $225,000. Imports of Manchurian perilla oil, however, amounted to only 3,393,300 pounds against receipts of 15,394,000 pounds in April, 1936.

Imports of fertilizer materials have been running about 30 percent heavier in volume than during the corresponding months last year due in large part to gains in receipts of Chilean nitrate. Receipts of such materials in April aggregated 248,300 tons, valued at $5,473,000, against imports of 184,079 tons, valued at $3,843,300, in April, 1936.

Imports of industrial chemicals aggregated $2,680,750 in April compared with $1,541,750 in the corresponding month of last year. In this group receipts of glycerin, both crude and refined, increased from 530,240 pounds to 2,230,500 pounds and camphor of all kinds from 536,500 pounds to 722,500 pounds.

Imports of coaltar products almost doubled in value compared with April last year, or from $973,000 to $1,742,500, with most items making up the group sharing in the gain. Receipts of dyes, stains, and the like increased from 241,690 pounds to 317,000 pounds, and dead or creosote oil from 2,317,300 gallons to 6,171,000 gallons.

Other items which recorded gains over April last year, included vegetable tallow, receipts of which increased from 978,700 pounds to 2,877,000 pounds; glue stock from 2,087,000 pounds to 7,434,000 pounds; and crude beeswax from 431,000 pounds to 679,000 pounds.

Items recording declines included casein, imports of which declined from 2,448,500 pounds to 572,500 pounds, and vegetable waxes, including carnauba, from 2,324,300 pounds to 2,118,000 pounds.

## Black Pepper Futures Trading Begins June 16

Trading in black pepper futures will begin June 16 on the New York Produce Exchange, according to John McD. Murray, president. Trading hours will be from 10:30 a. m., to 2:55 p. m., daily, with a mid-day call at 12:15 p. m. On Saturday, trading will be from 10:30 a. m., to 11:55 a. m.

The contract calls for 33,600 pounds of Lampong black pepper, with Aleppy and Tellicherry as optional deliveries. Quotations will be in cents and 1/100ths of a cent per pound. Each 1/100th of a cent will represent $3.36 per contract. Under the trading rules, disputes regarding transactions are to be arbitrated under the arbitration regulations of the exchange.

Commissions are as follows:—Non-members, $25 per round turn, and for members it will be $15 per round turn, when the market price is below 10c. per pound. A sliding scale is provided for higher prices.

The following committee on pepper has been appointed:—W. S. R. Beans, of Fenner & Beane, chairman; William H. Hine, of Lamborn, Hutchings Company, vice-chairman; Alfred C. C. Joensson, of the Joensson Import Corporation; Edward B. Polak, of the Polak Trading Company; and James Eblen. The quotation and advisory committee is comprised of Milton Goldfoglo, chairman; William E. Pritchard, of Munds, Winslow & Potter; Joseph W. Hart; Carl F. Andrus, of C. W. Andrus & Son; and John F. Parry.

# Botanical Drugs, Gums

**Balm of Gilead in Sharp Rise—Colombo Shortage Sends Prices Up—Papain Recovery Continues—Lycopodium Higher As Small Stocks Prevail—Manna Reduced**

Botanical drugs moved into consumption in volume close to a strictly jobbing requirement on the part of manufacturing consumers. On the whole, the market was a very quiet affair with buyers taking merchandise in quantities exceeding but little their actual and immediate manufacturing needs. In the main, trade has flattened out and to a considerable extent trade might be described as being that typical of early summer demand in many years. However, although quantities taken by buyers were conservative in size, there was a substantial number of such purchases and the general result was business not entirely unsatisfactory to dealers and importers.

The basic position of prices for most items was at least steady, and in numerous instances it was firm to strong. This situation was caused, mainly, by two facts. First, stocks being carried over into the active collection are probably the smallest in many years. Second, prices being paid in the domestic primary markets have been raised substantially in many instances in order to stimulate gatherers to greater activity. Labor in the growing areas is none too plentiful; many who would be working at collecting in normal times are either being supported on relief, or are on WPA projects and payrolls. Real effort is being made by the dealers to get out a crop sufficient in size to take care of manufacturing needs in the coming consuming year.

Foreign market reports indicate that a fair progress is being made by the crops growing abroad, but little has been said regarding the probable size of the stocks to be in hand for shipment later in the year. Prices do not show much unsettlement in markets across the Atlantic Ocean.

Entries of botanicals at the port of New York since the week of January 1, 1937, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

| | Bags | |
|---|---|---|
| | Detained. | Entered. |
| Anise | 2,736 | 15,340 |
| Caraway | 2,736 | 14,340 |
| Cardamom (cases) | 61 | 1,388 |
| Celery | 289 | 5,535 |
| Coriander | 6,137 | 7,033 |
| Cumin | 1,753 | 5,866 |
| Digitalis leaves (cases) | 143 | 153 |
| Dill | 160 | 565 |
| Fennel | 435 | 2,117 |
| Henbane leaves (bales) | 111 | 157 |
| Mustard | 330 | 13,339 |
| Poppy | 1,050 | 24,816 |
| Sage leaves (bales) | 20 | 1,131 |
| Sesame | 168 | 6,676 |
| Stramonium (bales) | 227 | 327 |
| Thyme (bales) | 311 | 882 |
| Totals | 14,608 | 84,900 |

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Balm of gilead buds, 17c. per lb.
Cassia, Batavia, No. 1, ⅝c. per lb.
No. 3, ¼c. per lb.
Buds, ¼c. per lb.
China, extra select, broken, ¼c. per lb.
Clove, ¼c. per lb.
Colombo root, 20c. per lb.
Cantharides, Chinese, whole, 5c. per lb.
powdered, 5c. per lb.
Calamus root, 4c. per lb.
Fleaseed, India, 1c. per lb.
Lycopodium, 5c. per lb.
Mace, Benda, ½c. per lb.
Nutmegs, 110's, ¾c. per lb.
Poppy flowers, red, 5c. per lb.
Papain, powdered, 10c. per lb.
Pimento, ¼c. per lb.
Rose flowers, pale, 1c. per lb.

**Reduced**

Berberis root, 1c. per lb.
Copaiba balsam, Peru, 3c. per lb.
South American, 3c. per lb.
Cubeb berries, XX, 1c. per lb.
powdered, 1c. per lb.
Cantharides, Russian, whole, 10c. per lb.
powdered, 10c. per lb.
Colocynth pulp, 25c. per lb.
Canary seed, Turkish, ¼c. per lb.
Lavender flowers, 5c. per lb.
Manna, large flake, 1c. per lb.
small flake, 2c. per lb.
Nutmegs, West Indian, ¼c. per lb.
Saffron flowers, Mexican, 5c. per lb.
Stavesacre seed, 2c. per lb.
Wahoo, root bark, 3c. per lb.

### Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **130.6** | **129.0** | **130.3** | **107.4** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Balsams

**Copaiba.**—Quotations were lowered under the influence of competition to the basis of 36c. to 38c. per pound on Para, and to 38c. to 40c. on South American material.

**Fir.**—A market of routine sort prevailed last week and for the most part business consisted of small requirements of the immediate future. Prices ruled in fairly steady fashion.

## Barks

**Black Haw.**—Reports on this item varied considerably. Some said that prices for the new crop were declining. Others indicated that higher prices were being paid collectors in order to get out a normal supply. In the meantime, spot quotations lacked further change and it appeared probable that there would be no oversupply of the article this year.

**Cascara Sagrada.**—Reports in this market indicated that the source of supply had become substantially easier. In fact, some quarters described the market there as being definitely on the weak side. Locally, no change in quotations was made but they were somewhat unsettled.

**Elm.**—Select bark for delivery in July was offered spot on the firm basis of 25c. per pound, comparing with the nominal spot price of 45c. developed when stocks became practically exhausted. Little or no demand was reported on the spot.

**Wahoo.**—Quotations on root bark were reduced to 60c. to 61c. per pound and they appeared to be easing steadily and still tending downward. Tree bark lacked new developments.

## Beans

**Calabar.**—Irregular inquiry was noted and so far as actual sales were concerned, none were confirmed. The market was dull at unchanged prices.

**Vanilla.**—Very good demand prevailed. The call was of a highly seasonal sort that should prevail at this time. Prices were generally on the firm side as spot stocks were none too large in size and the prospect for low cost new crop goods was not the least propitious. Shipment quotations in foreign markets were fully firm.

## Berries

**Cubeb.**—Prices were lowered again, making the spot market 30c. to 31c. per pound for whole XX quality material, and 34c. to 35c. per pound for powdered merchandise. The market has been much easier of late because of competition made possible by prevailing replacement cost.

**Raspberries.**—Small stocks awaited the increase which will be possible only when the new crop shall be gathered and prepared for shipment from the primary market in the Northwest. In the meantime, buyers were mainly aloof while awaiting further developments at the source.

## Flowers

**Lavender.**—Prices on select material were lower at 55c. to 60c. per pound, a development in line with the offering of new crop goods. The real active season of the year is still some months off. Also, arrival of new crop goods will be awaited for some time.

**Poppy.**—Red flowers sold at the higher price of 40c. to 42c. per pound last week and the market was declared to be appreciably firmer in practically all quarters under a very fair demand.

**Rose.**—Pale flowers strengthened slightly since the recent decline and on a recovery of prices the market was set up on the basis of 22c. to 24c. per pound, ending the week in steady position thereat.

**Safflower.**—No further change in quotations was reported but the market seemed to be moderately easy on the basis of the recent declines in quotations. Demand was conventional for this season of the year.

**Saffron.**—Mexican flowers were priced at 45c. to 50c. per pound, being a slight decline from previous levels, coming as the result of competition. Spanish flowers lacked quotable change but the market was not the subject of much activity on the part of manufacturing consumers.

## Gums

**Arabic.**—The shipment price has eased off slightly and sorts on the spot were priced at 14½c. to 15c. per pound, while for powder, the market was 17c. to 19c. per pound. However, much uncertainty concerning the actual situation in the primary market prevailed locally and that went for buyer and seller alike. The result was that a potential demand of substantial size is backing up in the consumers' sector of the market and dealers were concerning themselves considerably as to what will be the result when this business is forced onto the market by the requirements of buyers.

**Benzoin.**—A market of competitive sort prevailed on spot and with demand being generally light, conditions appeared to be favorable for buyers with firm orders for Sumatra gum. A fair distribution of stocks was the rule locally.

**Karaya.**—Very good demand prevailed. The market was active along

**Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7**

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum, Agar Agar, Aloes, Benzoin Gum, Buchu Leaves, Capsicum, Cascara, Catechu Gum, Cuttle Bone, Deertongue, Digitalis

Dragons Blood, Ergot, Golden Seal, Henna Leaves, Indian Gum, Lavender Flowers, Manna, Mustard, Nux Vomica, Peppermint Lvs., Wahoo Bark
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IMPORTERS
GUM ARABIC
GUM KARAYA
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seasonal lines and the movement into consumption compared favorably with that in normal seasons. Prices were very steady on the basis of the recent advance.

**Sandarac.**—Prices remained steady but demand was not very active last week. Buyers' requirements were confined to small parcels and the total was not very large. Undertones were also steady in the absence of much in the way of real competition.

**Tragacanth.**—The strong undertones that have prevailed for months continued unabated. Stocks of the best quality of ribbon gum were subnormal. Very little was forthcoming from the primary market and such as was available was priced under full control of values at the source. No relief from the present situation was said to be in sight.

## Herbs and Leaves

**Buchu.**—Prices lacked further change. They appeared to be somewhat steadier than they had been as the current level of values was said to be in close alignment with replacement cost in the primary market. Demand on the spot was routine in all respects.

**Deertongue.**—The spot price was definitely nominal for the reason that substantial quantities for delivery within a month were offered at 15c. per pound on a firm basis last week. Even lower quotations may develop in view of the present position in the primary market.

**Eucalyptus.**—The future was somewhat uncertain in view of the situation in the foreign markets. In the meantime, the spot prices held steady to firm even though demand was irregular and narrow at all times.

**Laurel.**—Values were not shaded further but the market was still the subject of competition induced by the absence of more than occasional demand for prompt delivery parcels.

**Uva Ursi.**—Strong undertones prevailed. Until the Spanish crop situation shall be revealed, the future of the article will be most uncertain and, hence, local values were expected to be maintained pending further developmnts abroad.

## Miscellaneous

**Balm of Gilead Buds.**—The market has braced substantially and on a firm basis, spot quotations were 38c. to 40c. per pound in a higher and stronger market. Stocks were acquired at fairly high prices.

**Cantharides.**—Russian flies were lower at $1.25 to $1.30 per pound for whole and $1.65 to $1.70 for powder. Chinese whole flies were slightly higher at 65c. to 70c. per pound, and powder went to 90c. to 95c. These changes reflected the play of the law of supply and demand.

**Cocoicynth Pulp.**—Quotations were lower at 50c. to 55c. per pound notwithstanding the fact that numerous detentions of arrivals have prevented the accumulation of a normal reserve stock on this market. The situation, however, seemed to be more competitive because of substantial arrivals last week.

**Lycopodium.**—Sales were made at the higher price of $1.40 to $1.45 per pound, emphasizing once more the fact that European offerings are subnormal in size, while spot stocks are comparatively small and likely so to remain. Demand was fair.

**Manna.**—Competition brought shading of prices to 35c. to 36c. per pound on large, and to 20c. to 21c. on small flake. Demand was rather narrow on the whole and conditions were such as to work the market toward the advantage of buyers with firm orders to place.

**Papain.**—The market was advanced to $1.20 to $1.25 per pound. Recovery of values appeared to be under way, as predicted by practically the whole trade some time back. Quotations had been driven far under normal in the depression of values operative for more than a year. Statistical information from Ceylon indicated that exports during the first quarter of 1937 amounted to 57,000 pounds. The United Kingdom took a slightly smaller quantity than the United States in the 1937 quarter, while during 1936 the ratio was approximately 2½ pounds to 1 pound in favor of the United States.

| | Pounds | |
|---|---|---|
| | 1935. | 1936. |
| United States | 67,228 | 158,726 |
| United Kingdom | 71,361 | 63,328 |
| France | 15,702 | 2,974 |
| Germany | 936 | 2,219 |
| Belgium | ... | ... |
| Canada | 47 | 716 |
| Totals | 155,274 | 227,963 |

## Roots

**Berberis.**—A firm spot price at 13c. to 15c. per pound was reported last week, the future of the market seeming to have brightened somewhat and the situation being less strained than it had been reported to be in the not far distant past.

**Calumus.**—Peeled root has supplanted the ordinary material formerly merchandiseable here and such material was priced at 10c. to 12c. per pound in a very firm market last week. Bleached root was firm at 45c. to 50c.

**Colombo.**—Shortage was acute and the market on a strictly nominal basis was fully 75c. per pound. Difficulty, which more than often went to the extreme of impossibility, in getting goods sure to pass on arrival here made for a most acute situation. There was still talk of the shipload of root which some years back came on a market at about 5c. per pound and which ultimately was dumped at sea.

**Golden Seal.**—The market was very firm and stocks were none too plentiful. However, spot prices were unchanged notwithstanding the continued reports of advances in quotations. The tendency was unquestionably upward and a strong market was expected to prevail for some time to come.

**Senega.**—No signs of relaxation of the firm to steady market position prevailing for some time past were noted during the past week. Ordinarily, crop influences should be turning values in favor of the manufacturing consumers but so far this year quotations have been well maintained during this season.

## Seeds

**Canary.**—Spot prices on Turkish seed were reduced to 6¼c. to 6¾c. per pound. Prices in Argentina were said to have been advanced because of delays of arrivals at the seaboard from points in the interior. Rains have also been reported a strengthening element on prices at this source. New crop Morocco seed was higher than Turkish, shipment prices being considered.

**Caraway.**—Shipment quotations were lower under the influence of light demand. However, small plantings in Holland were said to be the forerunner of probably higher prices.

**Flea.**—Cables showed the India market to have strengthened. Shippers have refused to book orders. Spot quotations were advanced to 10c. to 11c. per pound, and some quarters on spot refused to book business at less than the outside figure. The crop situation was poor. French seed lacked developments.

**Poppy.**—Spot prices held unchanged. Traders appeared to be awaiting accurate crop data from Hungary and Poland. However, it was felt that present prices have discounted any developments likely to be favorable for buyers in general. Demand was light.

**Stavesaere.**—The market has become lower and easier at 28c. to 30c. per pound for spot goods in a market said to be considerably more competitive than it had been recently.

## Spices

**Cassia.**—A substantial firming up of primary markets brought spot quotations to the following positions:—Batavia, No. 1, 14⅜c. to 14¾c. per pound; No. 3, 7¼c. to 7¾c.; buds, 13¼c. to 13½c.; China, extra select, broken, 4¼c. to 4½c. Demand was very fair.

**Cinnamon.**—Quotations were lower at 18c. to 18½c. per pound on Ceylon No. 2, and at 17½c. to 18c. on the No. 3 grade. This continued the downward movement reported in recent weeks. Demand was conventional and strictly routine.

**Clove.**—Prices strengthened and Zanzibar material was revalued downward at 17c. to 17¼c. per pound, while the Madagascar material went to 17½c. to 18c. per pound under the influence of a less favorable replacement position on both articles.

**Mace.**—Banda was up a fraction to 58½c. to 59c. per pound under more active trading. Other varieties of the article lacked quotable change.

**Nutmegs.**—The market was higher and more active on 110's, which were raised to 17¾c. to 18¼c. per pound, while West India material was more competitive and lower at 14¾c. to 15¼c. per pound.

**Pepper.**—Trading in black pepper futures will begin June 16 on the New York Produce Exchange, where full facilities for operations, including provisions for the arbitration of trade disputes, have been set up with two committees to facilitate operations. The outlook was said to be favorable for an active market of substantial proportions. A contract will be 33,600 pounds, and prices will fluctuate in cents and one-hundredth of a cent. The interests behind the trading are prominent and substantial.

**Pimento.**—Quotations recovered fractionally and late in the past week the market was quoted at 12¼c. to 12½c. per pound with a somewhat better inquiry being reported.

**Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7**

## N.A.M. Urges Checks on Labor in Legislation

**(Continued from page 3)**

laws, child labor laws, and similar legislation.

The committee also heard Gen. R. E. Wood, president of Sears, Roebuck & Co., who favored wage differentials because they tended to decentralize industry; R. V. Fletcher, of the Association of American Railroads, who asked that the railroad industry be exempted from the application of the law; Austin Levy, president of the Stillwater Worsted Mills, who considered the bill too indirect and urged a sliding schedule automatically reflecting employment needs ascertained by a "running inventory of the unemployed"; and Charles Whitney Dall, president of the National Rayon Weavers' Association, who proposed that a rigid maximum workweek and minimum wage standards be established.

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# Essential Oils, Aromatic Chemicals

**Larger Demand for Lemon and Orange—Java Citronella Has Price Advantage Over Ceylon Oil—Mandarin Higher—Adverse News on Neroli Production and Prices**

Demand for specialties made up a good share of demand in the market for essential oils and aromatic chemicals. To be sure, sales of lemon and orange oil made exceptionally satisfactory volume by the close of the period but on the whole the call for most materials in the market as a whole was conservative and considerably flatter than it had been in the not far distant past.

Italian lemon was higher on the spot, and very firm at the recent advance abroad. Orange was steady under the influence of a demand showing gains over that in recent periods. Ceylon citronella was up slightly but the higher test item from Java continued to show the way in the matter of both demand and price. Mandarin oil was higher on the basis of adverse reports concerning foreign stocks and prices. Neroli was reported in higher price brackets in keeping with the position of all orange flower products.

Somewhat adverse crop reports concerning peppermint were received and prices were firmer at the source. On spot, they were softer under competition. Quality of oil available here was playing a prominent part in the depression of values. Spearmint was steady. Pennyroyal was firm. Wormseed was quiet at unchanged prices.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Benzyl cinnamate, 25c. per lb.
Citronella, Ceylon, 1c. per lb.
Lemon, Italian, 5c. per lb.
Mandarin, $2.60 per lb.
Neroli, $17 per lb.
Novovial, alpha beta, 90c. per lb.

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 81.9 | 81.7 | 84.3 | 67.8 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Essential Oils

**Anise.**—The market seemed to be a shade steadier. At least, no further reduction in price was made last week and sellers appeared to be less inclined to take a competitive position that might lead to the further shading of values.

**Bay.**—Undertones were exceptionally steady. High test material was especially firm and moved freely in very good volume. The call for the low test item was moderate but values were very steady.

**Bergamot.**—The market was firm to strong. Based on replacement cost, spot quotations were deemed favorable from whatever point of view. Demand was moderate but had a steady quality that argued for firm undertones to prevail for some time to come.

**Birch Tar.**—Routine request was the rule and for the most part the call was restricted to jobbing quantities. Values were very steady on spot, reflecting the absence of unsettlement in the replacement cost of the article.

**Cajeput.**—Prices were firm at the recent advance. Sellers were somewhat reserved for the reason that poor quality of technical material has made it difficult to turn out normal stocks of the U.S.P. article. Very fair demand was the rule.

**Cananga.** — Hand-to-mouth request was the rule. Buyers' needs were highly conservative in size and conditions seemed not to forecast any substantial improvement in the movement to manufacturing consumers. Prices had a steady undertone.

**Cardamom.**—Raw material has turned slightly easier of late and prices on the spot have undergone some decline. However, present stocks of oil were made from raw material showing a cost fully warranting the present firm maintenance of quotations on the derived material. Demand was moderate.

**Celery.** — Reports concerning the position of raw material have shown that article to be somewhat easier in recent weeks; prices have declined moderately. Oil has remained steady even though interest of buyers was not substantial.

**Citronella.** — Ceylon oil was slightly higher at 42c. to 43c. per pound in drums, and 44c. to 45c. in cans, notwithstanding the fact that Java oil at the source and on spot was the cheaper, as well as higher test, article. Somewhat less demand was reported to be the rule.

**Clove.** — A very firm market prevailed on the spot. Raw material turned firmer at a slight advance last week and hence production costs on oil were well maintained. Deliveries against existing contracts were said to account for an excellent movement to buyers.

**Coriander.** — No easing of the tight position of this article has developed. For an article that sold freely around $3.50 when normal stocks were obtainable abroad, the present price of $19 per pound for spot deliveries is high enough to put a brake on consumption. Stocks were very small.

**Dill.** — Movement was excellent. The call was influenced by the seasonal requirements of the pickling industry, and they were in the market steadily for substantial quantities. The market appeared to be fairly competitive most of the time last week.

**Erigeron.** — Some dealers on spot hope that production will be larger than it was a year ago. Stocks in local circles were small, notwithstanding the fact that consuming requirements have decreased substantially in recent years.

**Eucalyptus.** — All reports stress the fact that goods coming forward have been well sold into consumption and chances of returning normal reserve stocks to this market appeared to be remote. Values were firm in all respects.

**Lavender.** — Recent prices on flowers for shipment to this country have come in at lower levels. This might forecast some change in the position of flower oil, but during the past week local dealers continued to maintain quotations on a firm basis while admitting that immediate demand was conservative in size.

**Lemon.** — Prices on Italian merchandise were higher at the minimum of $3.30 per pound, this being the result of the higher import costs established in recent weeks in the primary market. California oil was available in large quantities at the favorable figure of $2.60 per pound. Demand was reported to be very good, seasonal requirements having been raised by hot weather throughout the country.

**Lime.** — Prices were firmer and continued upward in tendency because of the excellent demand that the season has raised for spot goods. Stocks were not exceptionally in size locally, while the primary market offerings were conservative in all instances.

**Mandarin.** — Stocks of this item were under normal and the prices to replace the item made local quotations at a minimum of $8.10 per pound exceptionally attractive. Sellers were reserved at all times.

**Neroli.** — All reports indicate that products of orange flowers are advancing, and that the supply available for consumption will be considerably less than normal. For oil of the desirable high quality, the range was $115 to $140 per pound.

**Orange.** — Movement into consumption was in excellent volume, and the market activity was well in line with expectations reasonable to the market at this season of the year. Prices were generally quite steady in the absence of much in the way of price competition.

**Peppermint.**—Some dealers said that

**Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7**

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crop reports from the primary market had taken on a slightly bearish color during the past week. The season thus far has been remarkable for its lack of reports specifying either too much or too little rain, high winds, and insect infestation of the growing crop. Locally, competition appeared to be consistently keeping values under compression and tending to create lower values under price shading.

**Pennyroyal.**—A steadier price prevailed on the imported article since the recent decline and during the past week the market was fully maintained regardless of the lack of demand much in excess of moderate size. Domestic oil was very steady.

**Sandalwood.**—Mysore oil continued to find excellent favor with the pharmaceutical trade and although exchange was somewhat lower at times last week, prices in local circles appeared to be very steady. Stocks were sufficient for current requirements.

**Spearmint.**—The crop was understood to be making a fair progress and the present outlook for production was said to be generally favorable. The market was notable for its steady undertone and absence of competition.

**Wormseed.**—Stocks were comparatively light in all quarters. However, a lessening of demand has developed of late and hence the upward movement of values has been abated for the time being at least. Quotations remained very steady.

**Current prices on essential oils and aromatic chemicals are given in the alphabetical prices beginning on page 7**

## Aromatic Chemicals

**Benzyl Cinnamate.**—Quotations were 25c. higher at $6.25 to $6.50 per pound in a market showing a somewhat higher replacement cost, and also possessing a better than usual demand from manufacturing consumers.

**Citral.**—Business was as usual, namely, along lines of conservative but very steady demand for better than the prompt requirements of manufacturing consumers. Quotations were very steady.

**Eucalyptol.**—The situation as concerned raw material was lacking in improvement; replacement costs were comparatively high and the stock of raw material available at the source seemed to be well engaged ahead. Prices on the derived product were very firm.

**Eugenol.**—Because of the firm position of raw material, this article would have been well maintained in any event. But in view of the very good demand for the product, values were additionally firm and the market lacked aggressive competition.

**Heliotropine.**—Demand was maintained at a volume comparing satisfactorily with that in recent weeks. Prices were fully firm and appeared to be in well stabilized position throughout the period.

**Musk.**—The call was routine but volume was fair. Domestic material continued to make the market and to meet any and all competition developed in local trading. Stocks were ample.

**Novoviol, Alpha Beta.**—Prominent sellers obtained higher prices on this item and during the period under review it sold on the basis of $5 per pound in quantities somewhat larger than the usual trade in the material. Replacement cost has risen.

## DuPont Offers Violet Aromatic

A new synthetic aromatic, to be known as "Alpine Violet," has been perfected by E. I. du Pont de Nemours & Co., Wilmington, Del. Its odor is described as similar to that of the mountain cyclamen, but is designed chiefly for blending with floral scents and as a lightening agent for Oriental bouquet and other "heavy" odors. Alpine violet has been developed for use in soaps. A more concentrated solution, to be known as "Alpine Violet Extra," containing identical characteristics, is designed for use in perfumes, creams, and toilet waters.

## Pfizer & Co. Buys Plot Adjoining Brooklyn Plant

Charles Pfizer & Co., manufacturing chemist, this city, bought at the upset price of $32,090, the plot on the east side of Union avenue, Brooklyn, running from Gerry street to Wallabout street, and fronting about 235 feet on the avenue, 142 feet on Gerry street, and 18 feet on Wallabout street. The plot has been used as a second hand lumber yard and abuts on the factory property of the Pfizer company. By this purchase, the company now owns the entire block. The auction at which the transaction took place was conducted for the Board of Transportation.

## Frank-Vliet Remodels Offices

The Frank-Vliet Co., 160 Water street, this city, importer of gums, has completed extensive alteration of its offices. Located in an old building, the alterations effected have completely transformed its appearance. The executive offices are done in modern, in two shades of tan, with chromium trim.


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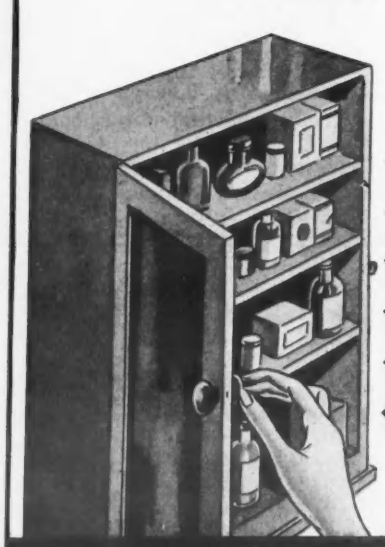

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# Petroleum Solvents, Lubricants, Fuels

### Leading Marketer in Mid-West Reduces Naphthas in Tankwagons Where Normal Price Levels Prevailed — Gasoline Firm—Pennsylvania Crudes Advanced

Although the major refinery markets for petroleum naphthas and solvents were in a strong position and the Midcontinent refinery supplies were considered tight, reports from the middle West indicated that tankwagon prices were reduced one-half cent per gallon by one of the leading marketers last week. This reduction applied at all points where prices had been considered normal in Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, Kansas, the Dakotas and upper Michigan. Chicago prices were untouched as they had been previously considered sub-normal. On the other hand, the Eastern market had a firm grip on the added strength gained since the beginning of the month.

Pennsylvania crude oil prices were raised last week. Corning crude was untouched but all other Pensylvania crudes advanced, a movement which most observers interpreted as an adjustment up to the relative price levels prevailing in the Pennsylvania refined oils market.

Gasoline continued strong. Tightness of supply was reported from the Midcontinent and the increasing cost of tanker transportation together with the scarcity of water carriers gave the market considerable potential strength. On the other hand, tankwagon prices in the middle West were lowered in company with the cut in naphtha prices, and, there was considerable upset in the Pittsburgh retail market.

Production of crude oil for the week ended June 5 averaged 3,528,150 barrels daily, a decrease of 35,550 barrels from the preceding week's daily average, according to the estimate of the American Petroleum Institute which omits any oil that might have been produced surreptitiously. The average for four weeks ended June 5 was 3,553,550 barrels and the average at this time a year ago was 2,935,450 barrels. Crude runs to stills averaged 2,934,000 barrels for 80.9 percent of operation, according to the report sent to the A.P.I. for the week ended June 5. An additional 261,000 barrels was estimated to have been sent to stills that week for a total average of 3,195,000 barrels against 3,245,000 barrels during the preceding week. Crude oil stocks May 29 were 305,745,000 barrels against 304,971,000 barrels May 22, according to the Bureau of Mines,

## Solvents and Diluents

Tankwagon prices for naphthas in the Middle West were reported to have been reduced one-half cent per gallon by one marketer wherever normal prices prevailed. Chicago prices, which were already sub-normal, remained unchanged. The Eastern market held the improved position gained during the two preceding weeks and the deliveries to the manufacturers of surface coatings continued fairly good, although signs of seasonal diminishment of manufacturing demand were evidenced in some quarters.

**Lacquer Diluent.**—Reports from the Midwest indicated that tankwagon prices were lowered in company with the reductions in other solvents and gasoline, wherever the prices were regarded as having been normal. There was no change in Chicago because prices there were already sub-normal.

**Petroleum Thinners.**—The Eastern market held the advanced position that was registered during the two weeks preceding the period under review. The tankwagon markets throughout Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, Kansas, the Dakotas and upper Michigan were affected except at points where the prices had been considered sub-normal.

**Rubber Solvents.**—The movement into Akron and other rubber products manufacturing centers continued good. The Eastern market held to its strengthened position gained over the past few weeks.

**Stoddard Solvent.**—Tankwagon prices in the Middle West were reported as having been reduced ½c. per gallon last week by a leading marketer in points where the markets had previously been considered normal. There was no change in the Chicago market as prices at this point were already subnormal.

**V. M. & P. Naphthas.**—In company with other solvents, there was no change in the tankwagon price at Chicago last week, but elsewhere in the Middle West tankwagon prices were lowered by one of the leading marketers. The reduction was ½c. per gallon. The Eastern market continued firm at the advances of recent weeks.

## Markets at Other Centers

**Chicago,** June 10.—The petroleum solvent and diluent market (tankcar) continued in good tone and has been quite steady. Takings are in good volume. On the other hand, irregularities in the tankwagon market have recently culminated in one-half cent reductions in middle western territory, except where prices were more than that amount sub-normal. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 5⅛c. to 5¼c. per gallon; cleaners' naphtha, 7⅜c. to 7¾c., tankcar; 17.1c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 15.8c., tankwagon; lacquer diluent, 8⅜c. to 8½c.; rubber solvent, 7⅜c. to 7½c.; Stoddard solvent, 6⅞c. to 7c., tankcar; 15.6c., tankwagon; v. m. & p. naphtha, 7⅜c. to 7½c., tankcar; 16.1c., tankwagon.

**Tulsa,** June 10.—Painters' naphthas have been moving freely while cleaners' naphthas were quiet last week. Shipments, however, continued at a fairly high level. Quotations were unchanged ranging from 6⅞c. to 7⅞c. per gallon.

## Lighter Fractions

The market for petroleum hydrocarbons in the light solvent fractions group did not contain much worthy of special comment last week. The movement into industrial channels of consumption was believed to have been maintained at a routine pace. Prices quoted by the producers in the Midcontinent region continued without change at the levels that have been in force for some time past.

**Butanes.**—There has been no change in the appearance of the market for many months. The sellers in the Midcontinent region continued to quote the 16-34 degree product at 2¼c. to 3¾c. per gallon in tankcar quantities, f.o.b. Group 3.

**Heptanes.** — Midcontinent producers have not altered their position on the market and the quotations in force now were the same as those that have been quoted to the trade for a long time back.

**Octanes.**—This mixture was also free from elements of a disturbing nature. The quotations for tankcar quantities continued at the long-standing basis of 8½c. per gallon, basis Group 3.

## Petrolatums and Waxes

**White Mineral Oils.**—The market was quite slow last week. Sellers reported very little new business and the receipt of delivery orders against contracts was also slow. However, this type of a market was to be expected at this time of the year as it is usual for a let-down in the Summer months. Prices were holding steady.

**Paraffin Waxes.**—Scale wax prices advanced in mid-week and leading sellers quoted the market at 2.85c. per pound for 122-124 A.m.p. and 2.90c. per pound for 124-126 A.m.p. although it was reported in some circles that an occasional car or two could have been picked up at 5 points under this level, the market appeared quite firm and the supplies were not very free. In fact, many operators were predicting a 3c. market within a very short time. The rise in prices livened purchasing interest, particularly in the foreign market. Fully refined waxes have not been changed in price for a long time back but were holding firmly and were considered quite strong because of the rise in the scale wax market.

CHICAGO, June 10.—The tone of the refined wax market remained firm to strong. The business being carried on showed no important divergence in aspect from that for some time in the past. A steady flow of inquiries was reported, as well as a good aggregate amount of orders being placed from representative sources. Ruling prices were:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, June 10.—Due to the sold out condition of most of the refiners, the market remained fairly quiet and quotations remain unchanged. The prices for the 124-126 a.m.p. were 3c. to 3⅛c. per pound.

**Petrolatum.**—The price situation remained as it has been for the past several weeks. The quotations were firm, and it was considered impossible to shade the market. Many sellers were quoting ¼c. per pound over hte lowest prices available, and, as in the past several weeks, the market was in an easy position to advance if some of the sellers desired to raise quotations.

## Fuels and Lubricants

The gasoline market occupied a firm position last week. Tankcar gasoline prices were raised in Philadelphia by one refiner, but there were no further changes in the New York market. Increasing tanker transportation costs and a growing scarcity of marine carriers added some potential strength to the market. The Midcontinent market was quite firm. The increase in Pennsylvania grade crude oil prices last week was not followed by increased lube prices, and most observers believed that the crude boost was more in the nature of an adjustment to the refinery market.

### Tankwagon Price Changes

MIDDLE WESTERN TERRITORY:—Effective June 9, Standard Oil Company of Indiana reduced normal tankwagon markets and prices to dealers on all grades of gasoline ½c. per gallon in Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, Kansas, the Dakotas and upper Michigan. There was a further reduction of ½c. in the normal price of third grade gasoline to dealers, giving them a total reduction of 1c. on that grade. In lower Michigan the only reduction was that of ½c. a gallon in the price of third grade to dealers. Where prices are already below normal by the amount of the contemplated reduction, or more, no change was made.

Tankwagon naphtha prices also were reduced one-half cents where normal.

The reduction in prices is to meet competitive conditions.

### Market Conditions

**Gasoline.**—The local tankcar market was very strong and although there were reports of trades at 7⅜c. per gallon on 65 octane U.S. Motor the market was 7½c. per gallon for tanks at the refinery. The price for 62-63 octane continued firm at 7¼c. per gallon. The scarcity of tankcars and the high rates being paid for tanker transportation gave the market a further inclination toward strength. Deliveries against contracts were quite active and jobber buying was also quite large. The retail and tankwagon price situation in the Eastern market was steady and without important change. In the middle Western area, however, tankwagon prices were reduced ½c. per gallon wherever prices had been considered normal. There was no change in prices for the export trade at the U.S. Gulf and quotations there were as follows:—U.S. motor, 5⅞c. to 6c. per gallon; 60-62, 400 e.p., 6c. to 6⅛c. per gallon; 60-62, 390 e.p., 6⅛c. to 6¾c. per gallon, and 64-66, 375 e. p., 6¼c. to 6⅜c. per gallon.

**Kerosene.** — Conditions surrounding

### *Outputs and Quotas*

A comparison of Bureau of Mines calculations for June production, state allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended June 5, follows:—

| | B. of M. Dept. of Int. calculations. | State allowable. | Estimated output. |
|---|---|---|---|
| Oklahoma ... | 625,300 | 675,300 | 642,350 |
| Kansas .... | 190,700 | 190,700 | 199,950 |
| Texas .....1,354,000 | | 1,352,775 | 1,413,500 |
| Louisiana ... | 252,000 | 254,650 | 246,600 |
| Arkansas ... | 28,300 | ..... | 28,100 |
| Eastern ..... | 118,200 | ..... | 120,050 |
| Michigan ... | 38,400 | ..... | 44,400 |
| Wyoming ... | 51,000 | ..... | 50,850 |
| Montana .... | 15,400 | ..... | 15,200 |
| Colorado .... | 4,800 | ..... | 3,550 |
| New Mexico. | 102,000 | 114,500 | 112,150 |
| California ... | 585,900 | *602,915 | 661,400 |
| Totals.....3,366,000 | | ..... | 3,538,150 |

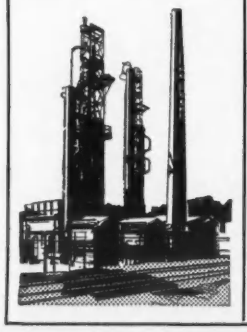
* Recommendation of Central Committee of California Oil Producers.

### *The State of the Petroleum Market*

Pennsylvania grade crude prices—except Corning—were raised 15c. per barrel last week. Gasoline was very strong at refinery points.

| | June 4 | June 4 | Last Year |
|---|---|---|---|
| Crude petroleum prices at well (average for ten fields) per barrel..... | $1.399 | $1.384 | $1.296 |
| Gasoline prices at refineries (at four refining centers) per gallon..... | .054375 | .054375 | .0553125 |

**Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7**

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FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada

## Petroleum Production—Motor Fuel Stocks

| | Barrels | |
|---|---|---|
| | 1937 Jan. 1-June 12 | 1936 Jan. 1-June 12 |
| Commercial crude oil production | 547,886,000 | 469,350,000 |
| | Week ended June 12, 1937 | Week ended June 13, 1936 |
| Daily average production | 3,528,800 | 2,924,000 |
| | Week ended June 5, 1937 | Week ended May 29, 1937 |
| Estimated motor fuel stock total | 77,494,000 | *78,758,000 |
| Estimated finished motor fuel stock at refineries | 46,917,000 | *48,359,000 |

* Revised.

the local bulk market were unchanged from a week ago. Quotations for the 41-43 water white article in tankcar lots continued at 5½c. to 5¾c. per gallon with reported sales at 5⅜c. per gallon, basis refinery. The export market at the U.S. Gulf continued without change last week at 4¾c. per gallon for prime white and 5c. per gallon for water white.

**Fuel and Gas Oils.**—Preparations for next season's contracts on heating oils featured the market for the heavy oils last week. Top contract prices for the new season will be ½c. per gallon higher than the contract limit for the past season. Bunker oil continued steady with quotations on C grade ranging from $1.35 to $1.50 per barrel. Diesel oil was also firm.

**Lubricating Oils.** — Pennsylvania crudes advanced 15c. per barrel last week, but the lube market did not move. Most observers believed that the crude rise had more or less been anticipated in the price of refined oils and that the crude boost was more in the nature of an adjustment up to the relative level of the refinery market. There was a fairly active buying interest again last week.

### Crude Oil Price Changes

**Pennsylvania**

The Joseph Seep Purchasing Agency of the South Penn Oil Company increased posted prices for Pennsylvania crudes 15c. per barrel, June 7. Bradford-Allegany crude was raised to $2.82 per barrel; Penn grade in South West Penn. lines, $2.57 per barrel; Penn grade in Eureka lines, $2.52 per barrel; Penn grade in Buckeye lines, $2.37 per barrel. Corning grades crude in Buckeye lines was unchanged at $1.42 per barrel.

The Pennzoil Company increased posted prices for lower district Pennsylvania crude 15c. per barrel to the basis of $2.77 to $2.82 per barrel, effective June 7.

These changes succeed the postings of February 24, this year.

### Markets at Other Centers

**Tulsa,** June 10.—Stimulated by an increasing gasoline demand, refiners showed more resistance in filling orders of motor fuel at current prices and an early rise in the entire gasoline price structure was expected. Jobbers found considerable difficulty in buying at the low quotations of the past few days and in many instances, orders have actually been refused in Oklahoma and Kansas. Some limited supplies have been located in Texas. Even in Louisiana where lower grade materials have been available there has been a tendency on the part of refiners to reject orders at the low quotations.

The strong tone and the tightness of supply in gasoline at the current levels has become even more pronounced in blending naphthas. Many refiners were completely sold out of the grades from 49 to 56 degrees in gravity. As a result of this large demand for naphthas which have been used by jobbers to blend with natural gasolines, several buyers reported that these lower grade products could be obtained only at a premium over the regular U. S. motor grades.

Marketing conditions, however are not uniformly bullish. Some distributors complain of the irregularity prevailing in tankwagon delivery prices which is causing some price cutting at the filling stations.

Although the position of other products has been overshadowed by the expansion in gasoline trading there was strength in other departments among which wax and tractor fuels were probably largest in importance.

GASOLINE.—Quotations continued unchanged although there were fewer sales at the low prices and some refiners have increased their spread between resale and contract prices. U. S. Motor 60-62 octane is quoted 5c. to 5¼c. per gallon with spot resale quotations at a concession of ⅛c.; 63-67 octane was 5⅜c. to 5⅝c.; 68-70 was 6c. to 6¼c. per gallon.

KEROSENE.—The market continued strong as another larger refiner withdrew from the selling side of the spot market this week. Some resale sales however, have again been made at the recent low quotations. The 41-43 grade was 4⅛c. to 4⅜c. per gallon and the 42-44 was 4¼c. to 4½c. per gallon.

NATURAL GASOLINE.—The strength in the Texas market was extended to Oklahoma last week. The 26-70 grade was quoted 3⅝c. per gallon while the 18 pound was 4⅜c. to 4½c. per gallon and the 22 pound grade was 3⅞c. to 4c. per gallon. The differential on sales to jobbers has again been posted in the stabilized grades.

DISTILLATES.—Restricted production caused the maintenance of a strong position as sales have already been made for Fall delivery. The No. 1 prime white was 3¾c. to 4c. per gallon while the No. 2 straw was 3⅝c. to 3¾c. per gallon and the gas oils in the Lousiana market were 3¼c. to 3⅜c. per gallon.

FUEL OILS.—Industrials were quiet although quotations were easily maintained. The low gravities were 80c. per barrel while the 24-28 low cold test ranged from $1.07½ to $1.15 and the high cold test from 90c. to 95c. per barrel.

LUBRICANTS.—The neutrals division was quiet and prices were firm. There was a good movement following the filling of orders placed a week ago. The bright stocks were more in demand.

**Chicago,** June 10.—The half-cent reduction in tankwagon and dealer gasoline prices throughout the middle west was a somewhat unsettling factor in the tankcar petroleum markets. This came following a considerable period of spotty and irregular price cutting in wagon and retail gasoline markets. Third gasoline was especially affected. Gasoline gallonage meanwhile has been quite good in spite of weather that has been a drawback to consumption in much of the interior region. Kerosene and tractor fuels in the meantime continue in good call. The heating oils are seasonally slow. Heavy fuels are mostly holding their own. Lubricants in this market have had a strong tone.

GASOLINE.—Low octane motor, 5⅛c. to 5¼c. per gallon; middle octane motor, 5½c. to 5⅝c.; high octane motor, 6⅛c. to 6¼c.; 60-62, 400, 5⅛c. to 5¼c.; 64-66, 375, 5⅛c. to 5¼c.; 68-70, 360, 5¼c. to 5⅜c.

KEROSENE.—42-44, water white, 4⅜c. to 4½c. per gallon; 41-43, water white, 4½c. to 4⅝c.

FURNACE OILS.—No. 1 white, 3⅞c. to 4c. per gallon; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3½c. to 3⅝c.; No. 2 dark, 3⅜c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.

FUEL OILS.—No. 4, $1.07½ to $1.12½ per barrel; No. 5, 85c. to 87½c.; No. 6, 80c. to 82½c.

**New Orleans,** June 10.—Steadiness was again reflected in domestic market quotations during the past week with prices remaining at a stationary level. Foreign inquiries and exports continued good. U. S. motor gasoline was quoted at 6⅝c.; U. S. motor below 62 octane, 6⅝c.; 63-67 octane 7c., and 68-70 octane at 7⅜c., all per gallon at refinery.

Kerosene remained unchanged at 7½c. per gallon at refinery.

Bunker C fuel oil was quoted at $1.05 per barrel at terminal and $1.10 per barrel delivered alongside, while industrial plants in this vicinity were quoted at the unchanged price of $1.46 per barrel, delivered.

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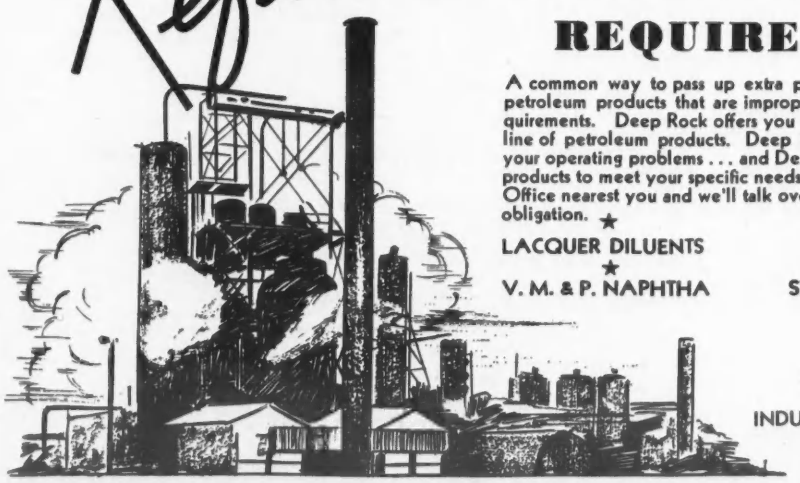
**A. C. Drury & Co.,** Chicago, has added to its sales force Arnold G. Schneider, who is well known to buyers of fine and heavy chemicals in the territory. Mr. Schneider was for fifteen years with the Victor Chemical Works, Chicago, and active in the Chicago Drug and Chemical Association. E. F. Letellier, for many years in the Drury organization as linguist and house salesman, will give his attention to the trade in and about Chicago.

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A common way to pass up extra profits is to use industrial petroleum products that are improperly refined for your requirements. Deep Rock offers you MORE than a complete line of petroleum products. Deep Rock will gladly discuss your operating problems . . . and Deep Rock regularly refines products to meet your specific needs. Write the Deep Rock Office nearest you and we'll talk over your problems without obligation. ★

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NAPOLEUM SPIRITS ★ STODDARD SOLVENT ★ RUBBER SOLVENT ★ MINERAL SEAL OIL ★ INDUSTRIAL LUBRICANTS ★ SPECIAL KEROSENES

DEEP ROCK OIL CORPORATION

GENERAL SALES OFFICE: 155 NORTH CLARK STREET, CHICAGO

Decatur Des Moines Milwaukee Minneapolis Oklahoma City Omaha St. Louis Tulsa

Refinery: Cushing, Oklahoma


# Paint Materials

(Continued from page 42)

## Driers

Sellers of stearates were preparing for the quarterly contract drive, but no contracts have been offered as yet. Prices have not been established definitely as yet, but unless there is a shift in raw material costs or an unforseen emergency within the current week, the contracts will go out to the trade at the same price levels that were in force over this and previous 90-day periods. Palmitates were in a similar position. The increase in cobalt prices a week ago will doubtless be reflected in the cost of cobalt driers for third quarter business.

## Glues and Binders

**Casein.** — So far as could be learned there were no offerings of domestic 20-30 mesh material below 13c. per pound, but the tone of things was not very strong, what with little buying interest and continued heavy production. Some contend that this season's production will top all previous records. Domestic 80-100 mesh continued at 13½c. per pound. These quotations were for carload lots, delivered.

**Glues.** — Bone and hide glues have been holding an unchanged position for some weeks and although the trade has been expecting higher prices because of raw materials costs, the demand have been light and prices remained stationary.

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## *C.S.S. Golf—June 15*

The first of the season's golf tournaments of the Salesmen's Association of the American Chemical Industry will be held June 15 at the Baltusrol Golf Club, Short Hills, N. J. The entry fee is $4.50; lunch will be $1; dinner, $2. Arrangements, reservations, and other details are in the hands of B. F. Sheehan, room 906, Empire State building, this city.

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# Obituaries

### Anthony J. Brown

Anthony Joseph Brown, advertising manager for *The Druggists Circular*, this city, died June 10 in a local hospital after several weeks' illness with a heart affliction. He was forty-one years old.

Mr. Brown was a graduate of Cornell University and a member of the Phi Beta Kappa fraternity. He was connected with the *Circular* for five years. During the World War he was a lieutenant in the Army Intelligence Corps, in charge of code revision. He left a widow and one daughter, Marguerite Elaine.

The funeral will be June 14, with requiem mass at 11:00 a. m. in St. Teresa's Roman Catholic Church, Sterling place and Classon avenue, Brooklyn.

### Thomas A. Hedley

Thomas A. Hedley, head of the firm of Thomas A. Hedley, drug merchant, this city, died in his home here June 8. He was seventy-nine years old. Born in Warwickshire, England, Mr. Hedley represented the Liverpool firm of Evans Sons, Lescher & Webb. He was a member of the British Schools and Universities Club. Surviving are three daughters, Mrs. Reginald Perry, Mrs. Wallace Reynolds, and Mrs. Charles F. Bailey, all of this city.

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**Joseph M. Kane,** supervisor of materials for the Bayway refinery of the Standard Oil Company of New Jersey, died June 9 in his home in Elizabeth, N. J. He was fifty-eight years old. Surviving are his wife, Mrs. Kathryn L. Kane; two sons, Joseph R. Kane, and Stephen J. Kane, both of Elizabeth, and a brother, James Kane, of Jersey City.

**Victor Lieberman,** retired chemist and once an associate of Louis Pasteur, died in Jacksonville, Fla., June 7, after an extended illness. He was eighty years old. He was a native of Paris.

**Henry Saville,** railroad yard superintendent of the Pyrites Company, Wilmington, Del., was stricken with a heart attack on the Rock Manor Municipal golf course, June 3, and died on his way to the hospital. He had been with the Pyrites company for twenty years. His son, Joseph H. Sayville, is president of the corporation.

# Fertilizer Materials

**Quiet Rules as Attention Centers on N.F.A. Convention—Early Chesapeake Fishing Returns Good—Superphosphate Price Extended Through Entire Season**

Trading life was absent from the market for agricultural chemicals last week as the industry's interest was centered on the N.F.A. convention. The few local traders who did not attend the convention did very little business and the week's price movements were few and unimportant. Nominating the author of the anonymous admonition on high prices which was circulated through the trade a week ago was last week's principal pastime. Most of the people interviewed here last week seemed to think that the letter would have some effect on buying for a while.

The early results of the Chesapeake menhaden fleet's operations were good and according to reports the first week's fishing brought in around 10 million fish. The size of the catch improved progressively and the results for the week just ended should have been better. Fish and other organic products received very little attention from the buying trade last week.

As reported in the late market summary of last week's issue, manufacturers of superphosphate in Baltimore and more northerly points extended their July-December prices to June of next year. Contract prices for crude monobasic ammonia phosphate for the period ending June 30, 1938, were repeated at the levels that prevailed previously.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

None

**Reduced**

Fish scrap, Japanese sardine meal, all positions, 50c. per ton.
Tankage, dom., Chicago, feed grade, 25c. per unit-ton.
New York, ground, 10c. per unit-ton.

### Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **64.0** | **64.0** | **64.0** | **59.0** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Ammoniates

**Nitrate of Soda.**—New prices for the 1937-1938 season have not been issued as yet and the trade was looking forward to their appearance. The market was expected to follow the rise in other mineral ammoniates but according to the information in selling quarters, the prices were not likely to make their appearance at least until later in the month.

**Sulphate of Ammonia.** — Bookings were being made at the new and higher prices for the coming season which were made known two weeks ago. The schedule was as follows:—For spot or non-contract buyers, or for contracts for shipment from one to five months—with a monthly tonnage to be specified—$28.50 per ton for June-October shipment; $29 per ton for November-December shipment, and $29.50 per ton for January-June shipment. For contracts covering equal monthly shipment during any six to ten months of the season, $1 per ton less than the aforementioned prices. For contracts covering equal monthly shipment during any eleven to thirteen months, $2 per ton less than the aforementioned prices. All quotations were f.o.b. ports or ovens except for Illinois, Indiana, Ohio, Michigan, Wisconsin and Ohio river destinations in Kentucky which are delivered, and the season extends from June, 1937, through June, 1938. Prices were for material in bulk and 200-pound bags were $1.30 per ton extra, and 100's were $2 per ton extra.

**Dried Blood.**—There was not much interest in the market last week. The domestic prices did not move with $3.50 per unit still named in New York and Chicago. Imported material was quoted at $3.60 to $3.70 per unit for August shipment from Abroad. It was practically impossible to obtain freight space from South American ports for June shipment and space for July position was also scarce.

**Fish Scrap.** — The Chesapeake fleet has been out for more than a week now and the catch during the first week of operations was quite good, having been reported as totaling 10 million fish. There were no further trades in unground fish and with bookings of anywhere from 11,000 to 12,000 tons in hand, the fishermen have enough business to cover their operations for some weeks ahead. The nominal price was $4 and 10c. per unit-ton, at factory with buyers bidding lower. Japanese sardine meal was also quiet with June-August shipment from abroad offered a little cheaper at $50 per ton, c.i.f. Quotations on material afloat for nearby arrival were $52.50 to $53 per ton, also a little cheaper than a week ago.

**Nitrogenous Material.**—There was no change in the market last week. Suppliers at Carrollville continued to quote $3.25 per unit, basis producing point, for shipment in any position over the balance of this year. Prices at Chemical remained at $3.15 to $3.25 per unit and the Norfolk price was $3.40 to $3.50 per unit.

**Tankage.**—Ground material in New York was cheaper last week even though the supplies were light. Quotations for ground were reduced to $3.50 and 10c. per unit-ton the same level as quoted for the unground product. Offerings from South America were light, perhaps because of the scarcity of freight space. The price for high-grade feeding stocks was lowered in Chicago to $3.25 and 10c. per unit-ton, a decline of 25c. from the preceding week's price.

## Potashes

It was difficult to get a line on the market's progress last week because the potash suppliers were attending the fertilizer industry's annual convention at White Sulphur Springs. The new and higher prices established during the course of the past few weeks were 53½c. per unit for muriate; 58½c. per unit for manure salt; $12.75 per ton for 20 percent kainit; $38 per ton for sulphate, and $25.75 per ton for magnesia-sulphate. In substance, the discount schedule of producers is as follows:—Orders with specifications placed prior to July 1, 1937, for delivery at the buyer's plant in equal monthly tonnages from July 1, 1937, to January 31, 1938, 12 percent discount; orders with specifications placed from July 1, 1937, up to and including September 30, for delivery at buyer's plant in equal monthly tonnages from October 1, 1937, to January 31, 1938, 5 percent discount. After October 1, prices are at list.

## Phosphates

Contracts on crude monobasic ammonia phosphate were being offered for the entire season ending June 30, 1938, at unchanged prices from those in force this season. And, as reported in the late market summary of last week's issue, superphosphate manufacturers extended their July-December contract prices up to June next year. Bone materials were without price shift last week but some bone products were quite scarce.

**Ammonia Phosphate.**—Contract offerings through June of next year were being made on crude monobasic material, 11-48, for the fertilizer trade at $1.20 and 70c. per unit-ton, f.o.b. Eastern producing point.

**Bone Materials.** — There was no change in the position of domestic or foreign bone materials last week. Imported meal was scarce at $27.50 per ton in bags, c.i.f.

**Superphosphate.**—As reported in the late market summary of last week's issue, superphosphate manufacturers extended their July-December contract prices up to June, 1938. The prices are $8 per ton for run of pile, basis 16 percent, and $8.50 per ton for guaranteed 16 percent material, f.o.b. Baltimore or Carteret.

## Sulphur and Pyrites

Although labor difficulties in some channels of consumption has handicapped the withdrawals of sulphur against contracts, consuming activities in other directions continued at a heavy rate. The price situation continued steady and unchanged at the long-standing basis of $18 per long ton f.o.b. mines.

### Markets at Other Centers

**Atlanta,** June 9.—Interest in fertilizer centered largely this week at the annual convention at White Sulphur Springs.

Thus far, the crops of the South requiring most fertilizers were reported in fairly good condition. An increase in cotton acreage was regarded as a menace to high cotton prices.

Quotations of this market were as follows:—

SUPERPHOSPHATE.—$11.30 ton, interior producing points.

SULPHATE OF AMMONIA.—$28.50 per ton, port basis.

COTTONSEED MEAL.—7 percent grade, $41 ton, interior mill points.

TANKAGE.—$3.25 and 10c. per unit, Chicago.

BLOOD.—$3.50 per unit, Chicago; $3.60 foreign, port basis.

CYANAMID.—$1.15 per unit, destination.

FISH.—Acid scrap, $3.25 to $3.50 and 50, port basis.

**Baltimore,** June 10.—The market for crude fertilizer materials was slow last week. The prevailing quotations were as follows:—

FISH SCRAP.—The bay fleet went out and reported fair catches, but no further sales of scrap were reported. Menhaden meal was also steady at $60 per ton for prompt.

TANKAGE.—This ammoniate was fairly steady, with quotations at $3.50 and 10c. to $3.60 and 10c. per unit-ton for feeding stocks, and fertilizer grades at $3.40 and 10c. nominal.

BLOOD.—Quotations were $4 to $4.10 per unit, c.a.f. basis Baltimore.

SUPERPHOSPHATE.—Producers extend-

### Fertilizer Tag Sales: May

| | Equivalent tons* | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | May | | | | July-May | | | |
| South— | P.C. of 1936. | 1937. | 1936. | 1935. | P.C. of 1936. | 1936-37. | 1935-36. | 1934-35. |
| Virginia† | 66 | 19,300 | 29,463 | 30,596 | 118 | 438,09[illegible] | 370,262 | 354,890 |
| North Carolina | 82 | 56,437 | 68,717 | 56,841 | 119 | 1,186,571 | 997,361 | 972,510 |
| South Carolina | 176 | 31,939 | 18,135 | 40,542 | 127 | 756,999 | 597,503 | 603,698 |
| Georgia | 132 | 35,309 | 26,753 | 26,610 | 131 | 860,661 | 657,148 | 614,552 |
| Florida† | 134 | 58,490 | 43,515 | 34,484 | 127 | 549,037 | 430,917 | 413,627 |
| Alabama | 95 | 26,200 | 27,700 | 18,150 | 134 | 614,350 | 459,850 | 415,600 |
| Mississippi | 12 | 1,205 | 9,696 | 11,175 | 137 | 319,685 | 233,294 | 200,854 |
| Tennessee† | 103 | 17,120 | 16,622 | 12,887 | 132 | 144,558 | 109,636 | 91,672 |
| Arkansas‡ | 82 | 2,750 | 3,350 | 2,200 | 198 | 92,469 | 46,606 | 36,505 |
| Louisiana† | 128 | 4,100 | 3,200 | 2,475 | 146 | 157,617 | 107,227 | 93,990 |
| Texas† | 112 | 2,488 | 2,220 | 705 | 136 | 85,878 | 63,134 | 59,403 |
| Oklahoma | .. | 155 | 15 | 101 | 104 | 6,180 | 5,935 | 5,914 |
| Totals, South | 102 | 255,502 | 249,386 | 236,766 | 128 | 5,212,102 | 4,078,933 | 3,863,215 |
| Midwest— | | | | | | | | |
| Indiana | 74 | 26,875 | 36,563 | 14,681 | 129 | 274,257 | 213,251 | 167,823 |
| Illinois | 251 | 6,218 | 2,480 | 1,302 | 181 | 49,609 | 27,409 | 19,970 |
| Kentucky | 61 | 10,788 | 17,770 | 9,245 | 138 | 110,127 | 80,052 | 71,564 |
| Missouri | 160 | 154 | 96 | 821 | 155 | 100,334 | 64,921 | 55,344 |
| Kansas | 11 | 5 | 45 | 13 | 161 | 12,015 | 7,454 | 5,596 |
| Totals, Midwest | 77 | 44,040 | 56,954 | 26,062 | 139 | 546,342 | 393,087 | 320,297 |
| Grand totals | 98 | 299,542 | 306,340 | 262,828 | 129 | 5,758,444 | 4,472,020 | 4,183,512 |

* Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various States.

† Cottonseed meal sold as fertilizer included.

‡ Excludes 34,450 tons of cottonseed meal for July-May combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

(Compiled by the National Fertilizer Association)

**Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7**

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

Natural Nitrate of Soda
Natural Potash Nitrate
Natural Iodine
CHILEAN NITRATE SALES CORPORATION
120 BROADWAY, NEW YORK, N. Y.

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH 62/63% $K_2O$, ALSO 50% $K_2O$
MANURE SALTS APPROXIMATELY 30% $K_2O$
UNITED STATES POTASH COMPANY, INC.
30 Rockefeller Plaza, New York, N. Y.

ed the quotations of $8 per ton for run of pile and $8.50 per ton for 16 percent milled and screened stocks through the entire season.

NITROGENOUS MATERIAL.—This item was quoted at $3.50 per unit.

GARBAGE TANKAGE.—The nominal market was $9 a ton at producing point, which works out at approximately $13 a ton in Baltimore.

BONE.—Quotations were $36 per ton for 4½ and 50 ground raw and at $27 for 3 and 50 ground steamed supplies, with 1 and 60 about $24 per ton.

**Chicago,** June 10.—The fertilizer materials have been quiet, with buyers showing no particular inclination to step in for amounts of material exceeding the quantities that would cover their immediate needs. The inquiries that are being received currently reveal that buyers are still inclined toward conservative buying attitude. Blood was in fair call at this time. Purchases of tankage were not very large, with prices little changed. Bone materials were marking time for the most part.

BLOOD.—Principal grade, $3.60 to $3.75 per unit of ammonia.

TANKAGE.—High grade, $3.50 to $3.75 and 10c.; low grade, $22 to $23; liquid stick, $2.50 to $2.60; hoof meal, $3.60 to $3.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $22 to $23; 3 and 50 percent, $24 to $25; 4½ and 50 percent, $28 to $30; grinding hoofs, pigs' toes and waste horn materials, $24 to $26; junk and hotel kitchen bones, $24 to $26; cattle jaws, skulls and knuckles, $33 to $35; pork cracklings, soft pressed, $50 to $55; beef cracklings, soft pressed, $45 to $50; hard pressed cracklings, per unit of protein, 70c. to 75c.

**San Francisco,** June 9.—Fertilizers were quiet and organics were leaning slightly towards the easy side, although since the announcement of a fixed schedule for sulphate of ammonia recently the larger buyers were more favorable towards considering long term contracts for forward deliveries on a variety of chemical products. So far however, it is not thought that any considerable amount of business of this nature has been booked during the past week. One large mixer here is of the opinion that there is likely to be quite a bit of activity soon, and this is shared by others in the trade. Fish meals were not so much in demand last week and some of the offerings were going begging. The same was somewhat true of animal products, buyers' ideas being pegged quite a bit below sellers' offerings and a general stalemate was seen.

Ruling prices were:—

NITRATE OF SODA.—100-pound bags, $28 per ton; 200-pound bags, $27.30 per ton. Bulk lots $26 per ton, all ex vessel San Francisco/Oakland.

SULPHATE OF AMMONIA.—Quoted at $29.50 per ton, f.o.b. cars, in 100-pound bags, San Francisco and Los Angeles harbor and $30.50 per ton, delivered inland California points, excepting Imperial Valley and San Diego county. Latter points, $31.50 per ton. Prices good for delivery to June, 1938.

AMMONIA PHOSPHATE.—Quoted at $39 per ton, single bags; $39.50 per ton, paper-lined bags f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra.

SUPERPHOSPHATE.—Domestic quoted at 75c. to 80c. per unit in bulk, f.o.b. San Francisco and Los Angeles harbor. Bags, 85c. to 90c. per unit. Foreign material, nominally quoted at 90c. per unit in bags, c.i.f. Pacific Coast ports.

FISH MEALS.—California sardine meal is quoted at from $50 to $52.50 per ton, prompt shipment, f.o.b. cars, San Francisco/Monterey, with offerings in Los Angeles reported on the basis of $48. Japanese sardine meal, fertilizer grade, quoted on the basis of $42.50 per ton, June/July shipment from the Orient, ex dock, San Francisco, with resale quotations at $41.50. Japanese machine-dried, resale material, quoted nominally at $46 to $47 per ton ex dock, San Francisco.

TANKAGE.—Local packing house tankage, ground, fertilizer grade, quoted at $3.55 and 10c. per unit-ton, nominally, f.o.b. cars, Los Angeles. Dry rendered, ground, quoted nominally at 80c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 67½c.

BONE MEAL.—Domestic bone meal, steamed, quoted in range, according to seller and quality, at $25 to $32 per ton, delivered Pacific Coast ports.

BLOOD MEAL.—Domestic quoted nominally at $3.35 per unit, f.o.b. cars, Los Angeles.

# Heavy Chemicals

(Continued from page 33)

## Insecticides

The market for agricultural insecticides and fungicides continued to note a favorable demand. Prices generally were steady to firm. The market lacked a specific feature. In the cotton belt the week was warmer than normal, according to the weekly weather bulletin, in the eastern central portions and somewhat cooler than normal in the west. Rainfall in mostly generous amounts covered nearly the entire cotton belt. These conditions made a generally favorably week. Nicotine sulphate noted a good interest throughout the week, prices displaying a decidedly firm tendency.

**Bordeaux Mixture.** — A fair interest was reported here. Prices ruled steady.

**Calcium Arsenate.** — This market continued to experience a favorable amount of business against contracts. Prices were firm.

**Lead Arsenate.** — Although the market was a rather quiet affair, no change was uncovered in quotations.

**Nicotine Sulphate.** — A good interest was reported in this product. A firm tone was in existence.

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**Dr. S. L. Hermann,** assistant plant manager for the Apex Chemical Company, manufacturer of chemicals, this city, has left for an extended tour through the Southern territory to call on the trade. He will be accompanied by John Galarde, the company's Southern representative.

# N.F.A. Seeks to Extend Educational Program

(Continued from page 3)

W. Dean, Knoxville Fertilizer Company, Knoxville, Tenn.; Evan H. Jones, Apothecaries Hall Company, Waterbury, Conn.; P. H. Manire, Marshall Cotton Oil Company, Marshall, Texas; W. B. Norris, Norris Fertilizer Company, Rushville, Ind.; Bachman Smith, Maybank Fertilizer Corporation, Charleston, S. C.; Walter H. Klee, Nitrate Agencies Company, Jacksonville; Fla.; Bayless W. Haynes, Wilson & Toomer Fertilizer Company, Jacksonville, Fla.; Henry S. Parsons, Nitrate Agencies Company, New York; L. W. Rowell, Swift & Co., Fertilizer Works, Chicago; W. T. Wright, F. S. Royster Guano Company, Norfolk.

1940—L. E. Britton, Consolidated Rendering Company, Boston (re-elected); George Cushman, Long Island Produce & Fertilizer Company, Riverhead, N. Y.; J. Ross Hanahan, Planters Fertilizer & Phosphate Company, Charleston, S. C. (re-elected); H. B. Baylor, International Agricultural Corporation, Atlanta; Weller Noble, Pacific Guano Company, Berkeley, Cal. (re-elected); O. F. Smith, Smith-Douglass Company, Norfolk (re-elected); W. Newton Long, Charlestown Fertilizer Company, Charlestown, W. Va.; Wood Crady, Federal Chemical Company, Louisville; A. L. Ivey, Virginia-Carolina Chemical Corporation, Richmond (re-elected); H. Albert Smith, Smith Agricultural Chemical Company, Columbus, Ohio; John J. Watson, International Agricultural Corporation, New York (re-elected).

## President's Address

The past year in the fertilizer industry was reviewed with gratification by A. D. Strobhar, of the Southern Fertilizer & Chemical Company, Savannah, in his address as president of the Association. With reference to the profitableness of the industry's operations, he said:—

It seems likely that in the fiscal year now coming to a close the volume of fertilizer sales will rise to a new all-time peak. A moderate rise in price has been made necessary by the rising cost of materials, increased wage rates, and higher taxes with which we have been faced. However, the rise in fertilizer prices has been much less than the rise in the general level of commodity prices.

Figures complied by the United States Department of Agriculture show that the average price paid for fertilizer this Spring was 4 percent less than it was two years ago, while prices received by farmers for their products are 17 percent higher and prices paid for all commodities are 4 percent higher.

Mr. Strobhar spoke briefly of the work of the association during the past year. He referred to the work of the traffic committee in opposing increases in freight rates on fertilizers and on various fertilizer materials. He spoke of the efforts that had been made to obtain fair and useful legislation regulating the sale of fertilizers in various States. He mentioned the conferences that had been held in different sections of the country for the purpose of giving fertilizer salesmen up-to-date information as to the use of fertilizers, and of research work that had been sponsored by the association in co-operation with various experiment stations and with the United States Department of Agriculture.

He referred in particular to the *Fertilizer Review*, bimonthly magazine published by the association, which is mailed to agricultural workers and teachers throughout the United States. Mr. Strobhar stated that the associa-

This year recommend a mix
with a higher percentage of
Red Muriate
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of America
MERCANTILE TRUST BLDG., BALTIMORE, MD.
SOUTHERN SALES OFFICE: ATLANTA, GA.
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tion's work has been very helpful to the industry and to the consumer as well.

### Ethics in Business

After briefly reviewing the fertilizer developments of the T.V.A. and the trend to truck transportation of fertilizers, Mr. Strobhar spoke earnestly about the desirability of ethical business policies and practices. He said:—

Recently a book has been published in which the author says that honesty plays too little part in American business; that in a game of cards or sports we are irreproachable; that we are gentlemen of honor in life's pastimes, but not so in serious business pursuits. Let each of us examine himself and his organization to see how large a part honesty plays in his business. Business is founded on confidence; success on cooperation. Do we so conduct ourselves that we enjoy the confidence of our competitor and do we have confidence in him? It is said that competition is the life of trade. We want

**A. D. Strobhar**
**The Presiding Officer**

and need competition, but to be successful as an industry there are many things in which we must have cooperation.

Do we require the same standards of business ethics in our sales managers and salesmen that we desire to find in the sales force of our competitors—is it considered foolish to expect one to follow the Golden Rule in business? All of us have committed the Golden Rule to memory—is it not possible to commit it to life? Can we not so conduct ourselves that we may enjoy the confidence of our competitor? Should we not seek and guard this as zealously as we seek to gain and hold the confidence of our customers? Or must we continue to be watchful and distrustful, ever fearful that unfair advantage will be taken and striving to take it first?

Can we not be irreproachable in our dealings with our customers, our competitors, and our employees, and be careful to employ only those who we believe will also be irreproachable in their business conduct, instilling into our salesmen and sales managers the high principles of conduct in competition that should be universally followed? Can we honorably observe fair trade practices intermittently, or as we may be influenced by market conditions? If we are gentlemen of honor does it not mean that we shall at all times strictly adhere to the code of fair trade practices regardless of market conditions?

### Fairness in Trade

Due in part to the Robinson-Patman law, in part to the greatly increased demand for fertilizer and the firm materials market, and in part to profiting by the previous year, we have enjoyed a very good season and as a consequence there is on the whole evidence of a feeling of confidence, but how many of us even this year have at all times honestly observed the spirit and intent of the Robinson-Patman law? Have we, or our representatives, connived to beat the trucking compensation provided in our schedules? Have we allowed agent's compensation when not earned? Have we given rail-head allowance where our schedules said we would not? Have we paid agents warehouse allowances where we knew the shipments did not go into warehouse? Have we issued a consumer price and made only a gesture of maintaining it, permitting or maybe conspiring in some cases with so-called "agents" to violate it?

What about next season? Shall we realize that business legislation such as the Robinson-Patman law must be enforced by the business men whom it affects; that we must in the first instance so act as to bring about compliance?

I would sound a note of caution as to the danger of overexpansion. It has been the experience in the past that with rising tonnage and favorable prices many new firms start producing. An increase in the number of producers and planning for expansion by present producers could easily result in such an overproduction next year that it would encourage vicious competitive practices and price-cutting with which we have been afflicted in the past. This is a time when we should carefully survey the future and work towards a consolidation of the gains we have made in the year now ending. There is no need to speak of the increase in material prices which we have witnessed and of the shortage of materials which has developed in certain quarters. If producers in general, in order to avoid another anticipated shortage next year, should pile up stocks in anticipation of a large rise in tonnage, it might very easily result in chaotic conditions in the future. While we have had a good season, I would close by hoisting the danger signal against overconfidence.

## Fertilizer Control

In an address on "The Consumer's Interest in Practical Fertilizer Control," L. E. Bopst, associate State chemist in charge of fertilizer control at the University of Maryland, said that the statutory requirements with respect to fertilizers should be such as would adequately protect the purchaser. Continuing, he said:—

A fertilizer control law should be adequate to furnish the purchaser with all the information necessary to enable him intelligently to select the goods he desires to purchase. Such a law should also be fair to the manufacturer and should not impose useless or futile requirements. Above all, it must be a law that the administrative control officer can enforce. A law that cannot be enforced is open to vicious violation by the unscrupulous without fear of penalty.

Maryland has not had a court case involving fertilizers for the past two years. This state of affairs has not been brought about by any overnight miracle. It is the cumulative effect of a long period of unrelenting vigilance on the part of officials, and particularly of friendly co-operation between them and a majority in the fertilizer trade. We strive for the same things — fairness among manufacturers, the observance of the commercial rule of a square deal, truthful representation of commodities, and the elimination of fraud and deception. This works no unfair hardship upon manufacturers and is the least the public has a right to expect.

The fertilizer industry enjoys a rather unique record throughout the country with reference to regulatory finances, in that it has willingly and gladly volunteered to pay the expenses of such regulation in the form of special taxes. Equalization of fees paid for fertilizer inspection work in the different States is a needed step. A uniform plan of issuing bulletins and reports giving the results of registration, inspection, and analyses of samples would be an aid to the industry and to the consumer.

## Conservation Factors

Discussing "Relation of Soil and Water Conservation to the Fertilizer Industry," Dr. T. S. Buie, regional conservator in the Soil Conservation Service, Spartanburg, S. C., emphasized the fact that badly eroded land, unfit for growing of profitable crops, is not the type of land upon which fertilizer is used extensively. Illustrating this point, he said:—

In two South Carolina townships, one located in an area only moderately eroded, the other in a severely eroded area, we made a study of cotton production. In the area of moderate erosion, 29.7 percent of the total land had been planted to cotton. In the eroded area only 11.8 percent was in cotton. The difference was not due to diversion to other cash crops. In the first area, each square mile produced 108 bales of cotton annually, while the eroded area produced only 35 bales on each square mile. In the first area each member of the farm population had annually 1.67 bales of cotton, but in the eroded area the figure was only 0.94 bale. The first area is undoubtedly a better sales prospect for the fertilizer industry.

Badly eroded land is not a good fertilizer sales area. If you would retain your Southeastern market, you must be interested in the maintenance of productive soil, soil sufficiently productive to make the use of fertilizer economically feasible and profitable. Fertilizer plays a most important part in the farmer's program of conservation. In fact, we consider it one of the necessities in the Southeast, especially for pastures where the reserve of plant food is so terribly low.

Water causes erosion in the Southeast. When it runs off the land too fast damage is done, and the faster the water runs the more erosion takes place. Our control measures consist of devices, vegetative and structural, which reduce the velocity of run-off water and tend to keep the moisture where it falls. That means inevitably that more moisture is being retained on our cropland. With more moisture, fertilizer gives better results. I feel definitely that the work farmers are doing in co-operation with the Soil Conservation Service is work that should be supported and encouraged, by the public, including the fertilizer industry.

The added value of foreign opinion

TENNESSEE CORPORATION
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on this subject was provided by G. H. Holford, director of the Fertilizer Advisory Service, Auckland, New Zealand, who spoke on "Fertilizing Pastures in New Zealand." Mr. Holford said that New Zealand, often spoken of as "the finest pasture land in the world," recognizes the importance of proper fertilizer use in maintaining its fine pastures. He expressed satisfaction with the fact that American newspapers and farm magazines have been giving considerable space to articles advocating better utilization of our pastures, and said that there was no doubt that this country is developing a grass "consciousness," even if it is mainly to preserve the soil from erosion.

Mr. Holford said that the fertilizer industry in New Zealand is more directly under government supervision than is the case in this country. Educational work in that country regarding proper use of fertilizers has been carried on extensively the last few years. This has been practically true in regard to top-dressing of pastures with superphosphate.

## Legumes vs. Fertilizer

The comparative values of legume crops and fertilizer were discussed by Prof. T. B. Hutcheson, agronomist at the Virginia Polytechnic Institute, in an address on "Plantfood Needs of the Soil-Conservation Crops." Professor Hutcheson said that legume crops were often overvalued, explaining:—

It is unfortunae that legumes ever were called soil-improving or soil-conserving crops, for statements carrying those ideas have convinced many farmers that all they have to do is to plant legumes, take them off clean if they want them, and still have improved soil. An examination of the analyses of a number of crops shows that, if the plantfood in crops is given the value we pay for it in fertilizers, it costs the soil more to grow a crop of legumes than a crop of nonlegumes. If legumes are not inoculated, of course no benefit is derived from them at all, and even when inoculated they draw heavily upon the mineral resources of the soil. If we can get our farmers to realize the truthfulness of those statements, we will have made a great stride in agricultural development.

Practical farmers have failed to realize that we cannot continue to grow crops and improve yields unless plantfood is returned to the soil in amounts at least equivalent to those removed by crops. When a farmer first begins to use fertilizers, he admits that there is not enough available plantfood in the soil to produce profitable crops. If this is true, he cannot expect to maintain his level of crop production unless he supplies even more plantfood than is removed by crops; for, of course, additional plantfood is lost by ever-present erosion.

## Fertilizer Research

Fertilizer research by the United States Department of Agriculture directed to the benefiting of agriculture was discussed by Dr. Henry G. Knight, chief of the departmental Bureau of Chemistry and Soils. After outlining the research program, Dr. Knight said:—

Research holds the key to the solution of some of our toughest farm problems. Constructive research in the fertilizer field has lowered the cost of fertilizer to the farmer and has furnished him with a better quality of plantfood. It has provided us recently with a practical method of utilizing low-grade phosphate rock which gives us an opportunity to develop vast phosphate reserves in the Western States.

We are still dependent upon foreign countries for our sulphate of potash requirements, but investigations have been conducted for the extraction from our natural deposits of the complex minerals, alunite and polyhalite, as well as for the conversion of the muriate into sulphate by means of sulphuric acid. This process, which is used in Europe, has promising possibilities in this country.

In decreasing the cost of fertilizer mixtures, the present problem is not the production of cheaper fertilizer materials, but the formulation of higher-analysis mixtures of high efficiency from materials already on the market. There is a limit beyond which it is not economical at present to further increase the plantfood content of mixed fertilizers. That it is possible to increase the concentration of mixtures considerably above that of the mixtures in general use without loss in fertilizer value appears evident from the conclusion drawn from the results of field tests conducted for twelve years by the department, in cooperation with the experiment stations of Virginia, North Carolina, and Georgia, that properly formulated double-strength fertilizers are as efficient as single-strength mixtures and that inorganic sources of nitrogen properly formulated may be as effective for cotton production as high-priced organic nitrogen.

Many problems present themselves in the formulation of such high-analysis mixtures. Among them may be mentioned those of the maintenance of a good mechanical condition without the use of conditioners, the avoidance of excessive soil acidity-increasing tendency, the provision of other necessary elements than nitrogen, phosphorus, and potassium, and the prevention of segregation. The department has devoted much attention to the granulation of mixtures as a means, not only for the improvement of mechanical condition, but also for the elimination of segregation.

Considerable attention is now being given to the effect of granulation on the efficiency of a fertilizer, and field tests with granulated, powdered and ordinary mixtures of identical composition are now being made with corn, cotton, tobacco, potatoes, and other crops in different parts of the country. The results to date are inconclusive, but they indicate that some of the differences in the agronomic results obtained with granulated and powdered mixtures may be due to differences in the uniformity of their distribution. The drillability of ungranulated high-analysis mixtures that are low in conditioners may be such that they cannot be as uniformly distributed in the field as the granulated product. If this difference in distribution is marked, a greater yield in favor of the granulated mixture for this reason alone might logically be expected.

## Patman Act

"Better Business Practices and the Robinson-Patman Act" was the subject of an economically informative address by Charles J. Brand, executive secretary and treasurer of the association. Mr. Brand briefly related the genesis of the Patman Act, its philosophy, and the administrative efforts thus far inaugurated by the Federal Trade Commission. With respect to the relation of the act to business practices and to the attitude of business toward the act, Mr. Brand said:—

**Charles J. Brand**
**Executive Secretary and Treasurer**

The great majority of operators in our industry agree that fairness in competition has a stabilizing effect on business and is beneficial to buyers and sellers alike. Of all Federal legislation designed to promote fair competition, the Robinson-Patman act is by far the most definite, the most searching, and the most far-reaching in its implications. Whatever may be said of its merits or demerits, it has behind it eight years of investigation and preparation. The work included the activities of a special congressional committee appointed "to investigate the trade practices of individuals, partnerships, and corporations engaged in big-scale buying and selling of articles at wholesale or retail."

It is expected that an increased appropriation will be provided for the enforcement of the law during the fiscal year beginning July 1. With the groundwork of enforcement already measurably determined, the Federal Trade Commission with this substantial appropriation will be able to give to its enforcement work the impetus needed for full development of the legal and economic possibilities of the act.

I think I detect throughout industry at large a changing attitude toward the law. When the first shock of newness had to some extent dissipated itself and hasty opinion had been replaced by more mature judgment, business men began to realize that perhaps the law was not the devouring monster they had at first visualized. The moral fairness and the busness soundness of its underlying philosophy began to be recognized more generally, and its supposed impracticability assumed much less formidable proportions. The effort to comply in good faith with the law and thus to contribute to business morality became more evident. Many companies abandoned practices which for years they had followed, frequently unwillingly and under coercion from large buyers. Only by such an attitude of voluntary acceptance and cooperation can industry put itself in position to get the legitimate benefits of the principles upon which the law is based.

### What of the Future?

Mr. Brand, emphasizing the existence of a condition, and not a theory, with respect to the application of the Patman act to business and the trend of economic legislation in general, sketched and outline of the future as follows:—

It is a source of great satisfaction to members of the fertilizer industry and those of us who are associated with it, first, that the product which it sells is of such essential and wholesome importance to the welfare of its customers and the public; and, second, that its customer, the farmer, gets such an outstanding return on his investment in the product. I know of no investment that makes a bigger return in a shorter time than a judicious expenditure for fertilizer. Members of the industry and the association have long recognized, also, the fundamental moral and business necessity for cooperating with farmer-customers so that the best results may follow the use of the product. Millions of dollars have been spent in improving the quality of fertilizers, in adapting them to soil and crop needs, and in ascertainnig the most efficient methods of application. The sessions of this convention have been devoted, for instance, almost entirely to discussion of problems of this nature. We may all feel justly proud of what has been accomplished, singly and collectively, in this direction, and may anticipate with confidence the beneficial results that are bound to follow the execution of our enlarged plans for the future.

But for doing, so honestly and so effectively, so useful a job, the workman is worthy of his hire. Without a legitimate profit, an operator cannot be expected to continue in business. No one advocates unreasonable profits, but moderate profits and stable business conditions are essential from the standpoint, not merely of the manufacturer, but of the farmer and the public as well. To that end nothing contributes more surely nor more substantially than fair trade practices among competitors.

Whatever may be the views of any individual as to the doctrine of *laissez faire* —let nature take its course—and whether it be sound or otherwise, its unrestricted operation has ceased to be a fact. I do not need to recount to you how substantially it has been curtailed by State and Federal legislation in its relation to labor and the public. The social security act and the Wagner act are outstanding recent examples in the Federal field. The obligation of fairness as among competitors has been legislatively recognized also, though perhaps not quite so definitely or fully. The Robinson-Patman act, for instance, combines in its concept competitive fairness and the public good. Here the law prescribes a course of conduct which gives full play to the forces of legitimate competition but imposes fairness in the application of those forces. A manufacturer subject to that law may, at any time he pleases, make his prices what he chooses but when he has so made them he must not discriminate among purchasers entitled to the same treatment. Here is a principle that is at once fair and constructively stabilizing. Some of the States enacted similar legislation. Likewise, we have in thirty-seven States what are known as "Fair Trade Practice Laws," designed to protect the value of brands and trademarks and their inseparable goodwill. And in some States there are prohibitions against sales below cost.

There is no sign that there will be any weakening of this fairness-compelling policy in the future. The only indications point to expanded requirements and more rigid enforcement. For instance, an amendment to the Robinson-Patman act prohibiting reciprocal trade agreements is now pending. A recent article in a Washington newspaper states:

"Informed officials said today the administration intends to supplement pending wage and hour legislation with a broad fair trade practices program at the 1938 session of Congress."

The article quoted authorities as saying that a draft of the fair practices act has been virtually completed, but officials believed it would be better to enact a wage and hour program first and observe its operation before enacting a fair practices act. This would be particularly desirable because the fair practices act would be erected on the same constitutional foundations as the pending labor legislation, and a decision on the constitutionality of one could be utilized in connection with enactment of the other. The proposed trade practice program calls for an expansion of the Federal Trade Commission's system of voluntary agreements among manufacturers and business men. The commission would have authority to enforce the agreements.

In the words of Grover Cleveland we are facing facts, not theory. Whatever we may think of governmental regulation of industry, it is in our midst and is likely to remain. I believe we will all agree that on the whole the objectives heretofore sought by trade practice principles and statutes are sound. As we must submit to regulation of our business with respect to problems involving labor and the public interest—and I do not mean to imply of course that any member of the industry is not sympathetic toward such problems—it is the part of wisdom to accept cheerfully those sound principles of competitive fairness which the law prescribes and build them into our business structure. It is only by such an attitude of voluntary acceptance and cooperation that the industry can put itself in position to get the legitimate benefits of such principles. That they are fair to buyers and sellers alike and stabilizing in their effects on business is attested by the great majority of operators in our industry.

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## Price-Maintenance Hit, Supported in Debate

(Continued from page 5)

trade laws are acting as a shield in protecting inefficiency in small shops, Mr. Hollingsworth contended that the opposite was true, that the small merchant must be efficient since he specializes in merchandise. He stated that the average markup in the small store was not over 25 percent, while in the larger units it was generally higher, averaging 32 percent. He added that the efficiency of the small merchant is defeated only in his inability to offer "bait" products, as his resources are insufficient to do so.

The large merchant can well afford to offer eight percent of the goods it sells as loss leaders, Mr. Hollingsworth claimed; the remaining percentage of sales will make sufficient profit to carry the business. He thought that the selection of products offered by a large department store was a sufficient advantage for that type of business, and they need not manipulate prices in order to subsist.

In speaking of the Federal fair trade bill, he pointed it out as an example in which the public mind had been confused by fair trade opponents. The statement which is delaying enactment of this measure claimed that public opinion disapproved price-fixing, still public opinion in 39 states considered the question important enough to enact State fair trade laws, he pointed out. Every possible means is being taken to overcome the delay in the passage of the Miller-Tydings Bill and secure its early enactment, he said.

Mr. Thorp instead of supporting or attacking price-maintenance, asked that several major questions on the ultimate effect of this legislation must be answered before he would know "on which side of the fence to jump." The questions were as to the amount of business passing through the high price channels, and the amount passing through the low price channels; how manufacturers would know at what level to set prices in a changing market; what the large retailer will do with the additional profit accruing from the sale of price-maintained merchandise; whether private brands will become more important, and whether other forms of "loss leader practices," untouched by fair trade laws, will be developed by large distributors.

Price-maintenance was also defended by Hugo Mock. He stated that we have always had it, and that we will always have it, adding that whether brands are nationally advertised or private, the price of them is fixed. He asked that the consumer be informed on the markup of private brand items as well as branded articles.

At this point the floor was given to George Gottesman, President of the Brooklyn Retail Pharmacists Association. He asked Mr. Straus what was the overhead per dollar sale averages in the Macy department store. Mr. Straus in answering, referred Mr. Gottesman to the Securities and Exchange Commission.

The concluding speaker to support price maintenance was Mr. Clarke. He stated that the basic argument on the condition is between two systems of business, one of which, through selfishness, is trying to destroy the other. Both systems have reasons to exist, he said. On the one side is the large retailer who wants to stress the store name and policy as vital, and on the other is the manufacturer of branded goods who wishes the product itself to dominate.

The meeting was opened by Joseph A. Huisking, Chairman of the section, who introduced Thomas R. Farrell, editor of the *Drug and Cosmetic Industry*, who sponsored and presided during the symposium.

# Shipping Information

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## Imports at U.S. Ports

### New York Imports

ACID, CITRIC — 50 kgs, Wm Neuberg, American Traveler, Hamburg
COTTONSEED OIL—239 bbls, I R Boody & Co, Kelso, Hull
159 bbls, Kelso, Hull
CRESYLIC—84 dms, Monsanto Chem Co, Samaria, Liverpool
100 dms, Bayard, Glasgow
NAPHTHENIC—166 dms, Shell Union Oil Corp, Exminster, Constanza
138 dms, Exminster, Constanza
PEANUT OIL—1 dm, Rotterdam, Rotterdam
PROPIONIC—18 dms, Innis, Speiden & Co, President Roosevelt, Havre
STEARIC—25 bgs, Binney & Smith, Veendam, Rotterdam
10 bgs, Innis, Speiden & Co, Veendam, Rotterdam
AGAR AGAR—25 bls, T M Duche & Son, Tasmania, Yokohama
25 bls. Tasmania, Kobe
ALBUMEN, BLOOD—10 cks, Cameronia, Glasgow
10 cks, Morningstar-Nicol, Hamburg, Hamburg
EGG, HEN—56 cs, American Cyanamid & Chem Co, Kurama, Tientsin
ALOE—50 cs, R Desvernine, Amor, Curacao
50 cs, Selma Mercantile Corp, Amor, Curacao
300 cs, Amor, Curacao
ALUMINUM LEAF—40 cs, Hensel Bruckmann & Lorbacher, Hamburg, Hamburg
104 cs, Globe Shipping Co, Hamburg, Hamburg
6 cs, F Henjes, Bremen, Bremen
95 cs, Rohner-Gehrig Co, Bremen, Bremen
POWDER—50 dms, 1 cs, T D Downing & Co, Columbus, Bremen
2 cs, C A Redden, Samaria, Liverpool
RESIDUE—104 bgs, Bayard, London
AMMONIA, CARBONATE—18 cs, American British Chem Supplies, Cameronia, Glasgow
ANTICHLOR—40 dms, Hamburg, Hamburg
ANTIMONY, CRUDE—4 kgs, C Gitlan & Co, Emile Francqui, Antwerp
ARSENIC—92 bbls, American Smelting & Refg Co, Panuco, Tampico
152 bbls, American Smelting & Refg Co, Cauto, Tampico
ARTIST'S MATERIAL—3 cs, Winsor & Newton, Georgic, London
4 cs, Gallagher & Ascher, Veendam, Rotterdam
ASBESTOS—25 bgs, W D Crumpton & Co, American Banker, London
167 bgs, Veendam, Rotterdam
ASPHALT—1,171 cks, Columbus, Bremen
81 dms, Anglo Mexican Petroleum Corp, Panuco, Tampico
740 bgs, A V Berner & Co, Seatrain Havana, Havana
310 bgs, Central Commi Co, Seatrain Havana, Havana
BARIUM, HYDRATE — 27 cks, American Banker, London
BARK, MEDICINAL—64 bls, Wessel, Duval & Co, Polycarp, Manaos
BELLADONNA LEAVES—28 bls, Veendam, Rotterdam
BLACK, MINERAL—100 cks, E W C Toepfer, Black Condor, Rotterdam
BONE MEAL—560 bgs, H J Baker & Bros, Black Gull, Antwerp
BRISTLES — 50 cs, Bank of London South America, Tai Ping Yang, Chuncking
40 cs, M R Ziegler, Tai Ping Yang, Chuncking
150 cs, F H Cone & Co, Tai Ping Yang, Shanghai
1 cs, American Express Co, Georgic, London
8 cs, H Rosenhirsch Co, American Banker, London
19 cs, Chesnut Cooper & Co, American Banker, London
1 cs, M Broverman & Son, Queen Mary, Southampton
12 cs, Queen Mary, Southampton
5 bbls, National Bank Trust Co, Veendam, Rotterdam
7 bbls, Veendam, Rotterdam
9 cs, Iwai & Co, Kurama, Kobe
20 cs, F H Cone & Co, Kurama, Tientsin
6 cs, F W Von Stade, Montreal, Kobe
5 cs, Chesnut, Cooper & Co, Montreal, Kobe
9 cs, National City Bank, Montreal, Kobe
100 cs, F H Cone & Co, Montreal, Shanghai
BRONZE, POWD — 2 cs, Heemsoth-Kerner Corp, Hamburg, Hamburg
10 cs, R F Downing & Co, Premen, Bremen
BUCHU LEAVES—7 bls, Murray & Nickells Mfg Co, Queen Mary, Southampton
BUCKTHORN BARK—20 bls, J L Hopkins & Co, St Louis, Hamburg
CADMIUM METAL—25 cs, Koenigstein, Antwerp
30 cs, Pennland, Antwerp
56 cs, Black Gull, Antwerp
CALCIUM ARSENATE—300 dms, Mitsui & Co, Montreal, Kobe
TARTRATE—24 bgs, Thomas & Pierson, Exochorda, Marseilles
329 bgs, Exochorda, Marseilles
CANARY SEED—250 bgs, A G Dunn, Exminster, Istanbul
CARAWAY SEED—200 bgs, 22,000 lbs, M Witsenburg, Veendam, Rotterdam
150 bgs, 17,500 lbs, Levy & Levis, Veendam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Veendam, Rotterdam
50 bgs, 5,500 lbs, Durkee Famous Foods, Bayard, Rotterdam
100 bgs, 11,000 lbs, Ideal Trading Co, Bayard, Rotterdam
CARDAMOM—40 cs, P Saixes, President Harrison, Tuticorin
45 cs, President Harrison, Tuticorin
CASEIN—168 bgs, A Hurst & Co, Southern Prince, Buenos Aires
CASSIA—50 bls, Wah Young Co, Tasmania, Hongkong
200 bls, A G Dunn, Tasmania, Canton
250 bls, Van Loan & Co, Tasmania, Canton
200 bls, Tai Ping Yang, Canton
58 bls, President Harrison, Bombay
ROLLS—17 bls, Wood & Selick, Tai Ping Yang, Canton
100 bls, S L Jones & Co, President Harrison, Hongkong
VERA—348 pkgs, J F Frank, Greystoke Castle, Batavia
CELERY SEED—50 bls, I Harrison & Whitney, Exochorda, Marseilles
CHALK—1 bg, African Metals Corp, Emile Francqui, Antwerp
BLOCK—500 tons, Taintor Trading Co, American Banker, London
COMMON—1,600 bgs, R L Watkins Co, American Banker, London
CHALK, PRECIPITATED—500 bgs, A Beaumont, Tasmania, Kobe
1 bbl, Hamburg, Hamburg
1,500 bgs, Colgate-Palmolive-Peet Co, Kelso, Hull
CHAMOIS—1 cs, Chase Natl Bank, President Roosevelt, Havre
6 cs, American Sponge & Chamois Co, President Roosevelt, Havre
CHAMOMILE FLOWERS—10 cs, J L Hopkins & Co, Hamburg, Hamburg
CHARCOAL ANIMAL—150 cks, Robinson-Wagner Co, Black Gull, Antwerp
CHEMICALS—100 cks, Royal Bank of Canada, Black Condor, Rotterdam
50 carboys, 25 cks, African Metal Corp, Black Condor, Antwerp
10 cs, Advance Solvents & Chem Co, Koenigstein, Antwerp
15 bbls, 35 kegs, Pfaltz & Bauer, Rotterdam, Rotterdam
2 cs, Eimer & Amend, President Roosevelt, Hamburg
44 cs, G J Wallau, President Roosevelt, Havre
1,007 bgs, Columbus, Bremen
1 can, Pfaltz & Bauer, Columbus, Bremen
6 cks, Stanley Doggett, Columbus, Bremen
2 cs, Burroughs, Wellcome & Co, Georgic, London
2 cs, Yardley & Co, Georgic, London
1 cs, E Fougera & Co, American Banker, London
1 cs, Magnus, Mabee & Reynard, American Banker, London
500 bgs, 60 dms, E I du Pont de Nemours Co, Hamburg, Hamburg
5 cs, Lo Curto & Funk, Hamburg, Hamburg
1,015 bgs, Advance Solvents & Chem Co, Hamburg, Hamburg
20 cks, Hummel Chem Co, Hamburg, Hamburg
15 cks, Innis, Speiden & Co, Hamburg, Hamburg
2 cs, 61 bbls, P C Kuyper & Co, Hamburg, Hamburg
20 cks, National Carloading Co, Hamburg, Hamburg
23 bbls, 12 cs, 24 cks, Hamburg, Hamburg
4 cs, Sandoz Chem Works, Hamburg, Hamburg
2 cs, Gane & Ingram, Hamburg, Hamburg
19 bbls, National City Bank, Hamburg, Hamburg
10 cs, American Cyanamid & Chem Co, Hamburg, Hamburg
20 dms, 3 cks, Jungmann & Co, Hamburg, Hamburg
4 dms, 9 cs, J E Bernard & Co, Hamburg, Hamburg
2 cs, E Bischoff Co, Hamburg, Hamburg
33 dms, Advance Solvents & Chem Co, Pennland, Antwerp
10 cs, William Neuberg, Santa Maria, Valparaiso
1 cs, 51 dms, Michel Export Co, Veendam, Rotterdam
1 ck, 16 cs, Merck & Co, Veendam, Rotterdam
18 bbls, Gustav Martin, Veendam, Rotterdam
34 cks, St Louis, Hamburg
2 cks, 20 cans, Advance Solvents & Chem Co, Bremen, Bremen
2 cks, General Dyestuff Corp, Bremen, Bremen
20 kegs, Pfaltz & Bauer, Samaria, Liverpool
9 cs, Hummel Chem Co, Black Gull, Rotterdam
25 dms, Innis, Speiden & Co, Black Gull, Rotterdam
60 cks, Heemsoth-Kerner Corp, Black Gull, Rotterdam
1 cs, Advance Solvents & Chem Co, Black Gull, Rotterdam
40 cks, American Cyanamid & Chem Co, Black Gull, Antwerp
125 bbls, Philip Bauer Co, Black Gull, Antwerp
50 bbls, African Metals Corp, Black Gull, Antwerp
40 dms, African Metals Corp, Emile Francqui, Antwerp
CHINA CLAY—4 bgs, Yardley & Co, Georgic, London
CHROME ORE—4,400 tons, E J Lavino & Co, Dromore Castle, Beira
CINCHONA PRODUCTS—2 cs, R W Greeff & Co, Rotterdam, Rotterdam
7 cs, R W Greeff & Co, Veendam, Rotterdam
CINNAMON BARK—1 cs, Park & Tilford, Georgic, London
CLAY—100 bgs, Standard Oil Co of N J, Hamburg, Hamburg
750 bgs, W Manley, Hamburg, Hamburg
115 cks, Milton & Greenebaum, Veendam, Rotterdam
BLUE—58 bbls, E Faber Pencil Co, Emile Francqui, Antwerp
CLIFFSTONE—328 tons, Taintor Trading Co, Kelso, Hull
COALTAR DERIVATIVES—166 cks, General Aniline Works, Veendam, Rotterdam
INTERMEDIATES—31 cks, 41 dms, General Aniline Works, Rotterdam, Rotterdam
2 cks, General Dyestuff Corp, Rotterdam, Rotterdam
38 dms, General Aniline Works, Columbus, Bremen
119 cks, General Aniline Works, Veendam, Rotterdam
20 dms, 1 ck, General Dyestuff Corp, Veendam, Rotterdam
6 cks, General Dyestuff Corp, Bremen, Bremen
COATING, POWDER—25 bgs, Philipp Bros, Hamburg, Hamburg
COBALT METAL—4 cs, Central Trading Corp, Koenigstein, Antwerp
60 cks, Central Trading Corp, Emile Francqui, Antwerp
OXIDE—70 cks, Central Trading Corp, Koenigstein, Antwerp
7 cks, Cuno Sievers, Hamburg, Hamburg
COCOA BEANS—330 bgs, Fruit Dispatch Co, Veragua, Havana
100 bgs, Polycarp, Para
11 bgs, Tolon, Kingston
200 bgs, Royal Bank of Canada, Van Rensselaer, Trinidad
750 bgs, Curacao Trading Co, Van Rensselaer, La Guayra
500 bgs, Machado & Co, Van Rensselaer, La Guayra
360 bgs, Cristobal, Cristobal
6,800 bgs, Pocone, Rio Janeiro
1,200 bgs, Curacao Trading Co, Amor, Curacao
1,000 bgs, Amor, Port Caballo
250 bgs, Santa Maria, Guayaquil
200 bgs, Curacao Trading Co, San Juan, Macoris
COCOA BEANS—500 bgs, Wessel, Kulenkampf & Co, Almena, Trujillo
1,700 bgs, Machado & Co, Almena, Sanchez
1,300 bgs, Curacao Trading Co, Almena, Sanchez
500 bgs, W R Grace & Co, Almena, Sanchez
482 bgs, Porcella Vicini & Co, Almena, Puerto Plata
250 bgs, Curacao Trading Co, Almena, Puerto Plata
28 bgs, Rosario, San Juan
1,750 bgs, Southern Prince, Port Spain
550 bgs, Carabobo, Puerto Cabello
100 bgs, Mecke & Co, Carabobo, Curacao
500 bgs, Machado & Co, Carabobo, La Guaira
COCONUTS—200 bgs, 20,000 lbs, Standard Fruit S S Co, Atlantida, La Ceiba
476 bgs, 47,600 lbs, J A Manton, Haiti, Kingston
1,635 bgs, 163,500 lbs, General Foods Corp, Haiti, Kingston
32 bgs, 3,200 lbs, Simon & French, Borinquen, San Juan
25 bgs, 2,500 lbs, J Di Christina, Borinquen, San Juan
126 bgs, 12,600 lbs, P R Fruit Export Co, Borinquen, San Juan
16 bgs, 1,600 lbs, E Arroyo, Borinquen, San Juan
30 bgs, 3,000 lbs, West Indies Prod Corp, Borinquen, San Juan
50 bgs, 5,000 lbs, C Monro, Borinquen, San Juan
1,287 bgs, 128,700 lbs, I L Toledano Corp, Cristobal, Cristobal
800 bgs, 80,000 lbs, General Foods Corp, Cristobal, Cristobal
77 bgs, 7,700 lbs, Geck Trading Corp, Rosario, Mayaguez
94 bgs, 9,400 lbs, Universal Import & Export Co, Rosario, San Juan
935 bgs, 93,500 lbs, General Foods Corp, Rosario, San Juan
1,500 bgs, 150,000 lbs, General Foods Corp, Musa, Porto Castilla
134 bgs, 13,400 lbs, Simon & French, Carabobo, San Juan
COCONUT, DESIC—1,576 cs, Balfour, Guthrie & Co, Tai Ping Yang, Manila
750 cs, Dodwell Co, Tai Ping Yang, Manila
COLOCYNTH—35 bls, President Harrison, Port Sudan
100 bls, J L Hopkins & Co, Mangalore, Port Sudan
118 bls, Mangalore, Port Sudan
COLORS—1 cs, B F Drakenfeld & Co, President Roosevelt, Havre
5 bbls, A Hurst & Co, Hamburg, Hamburg
1 cs, B F Drakenfeld & Co, Samaria, Liverpool
20 bbls, Stanley Doggett, Exochorda, Genoa
DRY—40 cks, C J Osborn & Co, Rotterdam, Rotterdam
1 cs, Gallagher & Ascher, Veendam, Rotterdam
EARTH—50 cks, Calco Chemical Co, Columbus, Bremen
10 cks, Whittaker, Clark & Daniels, Columbus, Bremen
40 cks, C J Osborn & Co, Veendam, Rotterdam
COPAIBA BALSAM—163 cs, Polycarp, Manaos
CORIANDER SEED—8 bgs, Park & Tilford, Georgic, London
CORK—56 bgs, L Mundet & Sons, Vulcania, Lisbon
25 bgs, L Mundet & Sons, Rotterdam, Rotterdam
747 cs, Hamburg, Hamburg
SHAVINGS—139 bls, Hamburg, Hamburg
VIRGIN—12 bls, Brown Bros-Harriman Co, Exminster, Bona
WASTE—2,285 bls, Brown Bros-Harriman Co, Exminster, Bona
COTTONSEED MEAL—1,340 bgs, Cristobal, Cristobal
CRESOL—20 kgs, Monsanto Chem Co, Samaria, Liverpool
CUTCH—1,500 bgs, Sig Saxe, Rhexenor, Singapore
DEXTRIN—25 bgs, Morningstar-Nicol, Veendam, Rotterdam
DIAZO—5 bbls, C Bruning & Co, Veendam, Rotterdam
DILLSEED—53 bgs, President Harrison, Bombay
DYES—ALIZARIN—5 dms, General Dyestuff Corp, Rotterdam, Rotterdam
70 cks, Calco Chem Co, President Harrison, Bombay
5 jugs, 9 cks, General Dyestuff Corp, Veendam, Rotterdam
4 cans, 9 dms, 18 cks, General Dyestuff Corp, Bremen, Bremen
ANILIN—8 dms, 4 cs, 3 cks, General Dyestuff Corp, Rotterdam, Rotterdam
34 kgs, H H Rosenthal Co, Tai Ping Yang, Kobe
23 cks, General Dyestuff Corp, Hamburg, Hamburg
35 dms, Calco Chem Co, President Harrison, Bombay
6 dms, 3 cs, 88 cks, General Dyestuff Corp, Veendam, Rotterdam
2 cs, 14 dms, 53 cks, General Dyestuff Corp, Bremen, Bremen
9 kgs, Carbic Color & Chem Co, Bremen, Bremen
6 dms, Sandoz Chem Works, Bremen, Bremen
12 cks, L & R Organic Prod Co, Samaria, Liverpool
DYEWOOD, CUTTED—10 bgs, J L Hopkins & Co, Vulcania, Trieste
36 bgs, Vulcania, Trieste
EGG YOLK, HEN—56 cs, Consumers Import Co, Kurama, Tientsin
104 cs, D L Moss & Co, Tasmania, Shanghai
224 cs, J Lowe Corp, Tasmania, Hankow
113 cs, Henningsen Bros, Tai Ping Yang, Shanghai
112 cs, Importers Com Co, Kurama, Tientsin
56 cs, Henningsen Bros, Kurama, Tientsin
56 cs, American Cyanamid & Chem Co, Kurama, Tientsin
EPHEDRA—144 bls, S B Penick & Co, Kurama, Tientsin
EUPHERBRA — 13 bls, Allaire, Woodward & Co, President Harrison, Tuticorin
FIGGOT—9 cs, Vulcania, Lisbon
FAT, VEGETABLE—5 cks, E Fougera & Co, American Banker, London
FILTER, MASS—100 bls, A W Fenton & Co, Columbus, Bremen
32 bls, Aug Giese & Son, Hamburg, Hamburg
PAPER—1 cs, Heemsoth-Kerner Corp, President Roosevelt, Havre
23 cs, H Reeve, Angel & Co, Georgic, London
6 cs, J E Bernard & Co, Drottningholm, Gothenburg
FISH SOUNDS—48 bls, Fred Henjes, Amor, Maracaibo
FLAXSEED—6,435 tons, 257,400 bus, Spencer Kellogg & Sons, Elg, Rosario
6,738 tons, 269,520 bus, Spencer Kellogg & Sons, Saltersgate, Santa Fe
FLEASEED — 437 bgs, President Harrison, Bombay
150 bgs, S B Penick & Co, Exochorda, Marseilles
FORMALDEHYDE SODA, HYDROSULPHITE —125 kgs, Philipp Bros, Samaria, Liverpool
FULLER'S EARTH—200 bgs, L A Salomon & Bro, Georgic, London
GAMBIER—100 cs, Rhexenor, Penang
340 cs, Chase Natl Bank, Rhexenor, Belawan
425 cs, Greystoke Castle, Belawan
105 cs, L Littlejohn & Co, Greystoke Castle, Singapore
GELATIN—31 cks, T M Duche & Sons, Black Condor, Antwerp
139 bgs, T M Duche & Sons, Koenigstein, Antwerp
81 bgs, Koenigstein, Antwerp
2 cs, American Express Co, Columbus, Bremen
1 cs, Paul Puttmann, Hamburg, Hamburg
122 bgs, T M Duche & Sons, Pennland, Antwerp
5 dms, 31 bbls, 100 bgs, R D McLellan, Veendam, Rotterdam
GENTIAN ROOT—20 bls, F W Berk & Co, Bayard, London
GINGER ROOT—100 bgs, O Gerdau Co, Haiti, Kingston
GLASS PLATE—1 cs, S A Bendheim, President Roosevelt, Hamburg
1 cs, L Solomon & Son, President Roosevelt, Hamburg
12 cs, L Solomon & Son, Black Gull, Antwerp
WINDOW—31 cs, S G Cole, Black Condor, Antwerp
215 cs, Levine Bros Glass Co, Black Condor, Antwerp
31 cs, Semon, Bache & Co, Black Condor, Antwerp
121 cs, Koenigstein, Antwerp
10 cs, S A Bendheim Co, President Roosevelt, Hamburg
1,547 cs, Vitrea, Inc, President Roosevelt, Hamburg
4,212 cs, American Traveler, Hamburg
2 cs, Semon, Bache & Co, Hamburg, Hamburg
12 cs, Leo Popper & Son, Hamburg, Hamburg
14 cs, Schrenk & Co, Samaria, Liverpool
13 cs, Leo Popper & Son, Samaria, Liverpool
1,100 cs, Columbia Meal Co, Black Gull, Antwerp
8 cs, Semon, Bache & Co, Black Gull, Antwerp
465 cs, J H Faunce, Emile Francqui, Antwerp
GLUE—300 bgs, L H Lang, G Van Gelder, Vulcania, Trieste
1,000 bgs, Vulcania, Trieste
200 bgs, Black Condor, Rotterdam
310 bgs, L H Lang, G Van Gelder, Black Condor, Antwerp
68 bgs, T M Duche & Sons, Black Condor, Antwerp
110 bgs, L H Lang, G Van Gelder, Hamburg, Hamburg
20 cs, Rex & Reynolds, President Harrison, Marseilles
200 bgs, Transatlantic Animal By Prod, Veendam, Rotterdam
4 cs, Rohner, Gehrig Co, Bremen, Bremen
20 bgs, G H Hemmel, Samaria, Liverpool
20 bgs, 50 cks, 1 cs, Rex & Reynolds, Exochorda, Marseilles
GLUESTOCK—380 bls, Irving Trust Co, Hamburg, Hamburg
770 bgs, American Express Co, Samaria, Liverpool
GLYCERIN—83 dms, Hamburg, Hamburg
92 dms, Colgate-Palmolive-Peet Co, Hamburg, Hamburg
20 dms, Bayard, London
18 dms, Samaria, Liverpool
GRAPHITE—250 bbls, C E Pettinos, President Harrison, Colombo
250 bgs, Asbury Graphite Mills, President Harrison, Colombo
GREASE—2 cks, Rogers & Gallet, Koenigstein, Antwerp
WOOL—10 dms, 20 bbls, 50 cks, 5 cs, Pfaltz & Bauer, Columbus, Bremen
100 dms, Samaria, Liverpool
GUM—8 cs, 1 keg, Magnus, Mabee & Reynard, American Banker, London
100 bgs, Innis, Speiden & Co, Exochorda, Marseilles
ARABIC—14 bgs, American Banker, London
250 bgs, Innis, Speiden & Co, President Harrison, Port Sudan
300 bgs, Chase National Bank, President Harrison, Port Sudan
50 bgs, Frank Vliet Co, President Harrison, Port Sudan
250 bgs, H Heide, Mangalore, Port Sudan
150 bgs, Innis, Speiden & Co, Mangalore, Port Sudan
200 bgs, S B Penick & Co, Mangalore, Port Sudan
BENZOIN—100 cs, S B Penick & Co, Rhexenor, Sibolga
2 cs, A Chiris & Co, Exochorda, Marseilles
CHICLE—543 bls, Mexican Exploitation Co, Panuco, Progreso
3,440 bgs, Mexican Exploitation Co, Panuco, Cozumol
1,284 bls, Mexican Exploitation Co, Siboney, Vera Cruz
COPAL—140 bgs, France, Campbell & Darling, Tasmania, Manila
400 bgs, Stroock & Wittenberg, Tasmania, Manila
481 bgs, Stroock & Wittenberg, Tai Ping Yang, Tasmania, Manila
74 bgs, S Winterbourne & Co, President Harrison, Singapore
100 bgs, American Cyanamid & Chem Co, Emile Francqui, Antwerp
DAMMAR—50 cs, W H Scheel, President Hafrison, Singapore
50 cs, S Winterbourne & Co, President Harrison, Singapore
210 bgs, President Harrison, Singapore
50 cs, Greystoke Castle, Batavia
160 bgs, 300 cs, Stroock & Wittenberg, Greystoke Castle, Batavia
450 bgs, 500 us, Thurston & Braidich, Greystoke Castle, Batavia
100 cs, S Winterbourne & Co, Greystoke Castle, Batavia
ELEMI—170 cs, S Winterbourne & Co, Tasmania, Manila
GAMBOGE—5 cs, President Harrison, Singapore
KARAYA—64 bgs, Frank Vliet Co, President Harrison, Bombay
254 bgs, F J Markwalter & Co, President Harrison, Bombay
113 bgs, Lunham & Reeve, President Harrison, Bombay

GUM, KARAYA—396 bgs, S B Penick & Co, President Harrison, Bombay
67 bgs, President Harrison, Bombay
207 bgs, T M Duche & Son, President Harrison, Bombay
63 bgs, Innis, Speiden & Co, President Harrison, Bombay
LOCUST BEAN—200 bgs, S B Penick & Co, President Harrison, Genoa
100 bgs, 5 cs, Exochorda, Genoa
TRAGACANTH—820 bgs, S B Penick & Co, Hamburg, Hamburg
45 bgs, E Meer & Co, Hamburg, Hamburg
1,536 bgs, Brown & Roese, President Harrison, Bombay
101 bgs, President Harrison, Bombay
267 bgs, Brown & Roese, President Harrison, Khorramshair
206 bgs, President Harrison, Khorramshair
2 bgs, Exminster, Istanbul
32 cs, E Meer & Co, Exochorda, Beyrouth
5 cs, 12 bgs, Nawi Noonoo, Exochorda, Beyrouth
GYPSUM—5,200 tons, U S Gypsum Co, Gypsum Empress, Windsor
5,150 tons, U S Gypsum Co, Gypsum Empress, Windsor
2,040 tons, National Gypsum Co, Kem, Dingwall
CALCINED—1,221 bgs, Whittaker, Clark & Daniels, Kelso, Hull
204 bgs, L A Salomon & Bros, Samaria, Liverpool
HERBS, MEDICINAL—20 cs, E E Marks & Co, Vulcania, Trieste
32 bls, Peek & Velsor, Vulcania, Trieste
10 bls, S B Penick & Co, Hamburg, Hamburg
19 bls, J Personeni, President Harrison, Marseilles
4 bls, G F Doherty, St Louis, Hamburg
3 bls, Black Gull, Antwerp
5 bgs, Southern Prince, Buenos Aires
HOPS—41 bls, Ludwig Baer, Black Condor, Rotterdam
100 bls, Batory, Gdynia
20 bls, Bode & Voigt, Hamburg, Hamburg
30 bls, American Express Co, Hamburg, Hamburg
13 bls, Black Gull, Antwerp
INDIGO—56 cks, General Dyestuff Corp, Veendam, Rotterdam
IODINE—1,729 bgs, Chilean Nitrate Sales Corp, Sessa, Tocopilla
IRON CHLORIDE—50 dms, St Louis, Hamburg
ORE—20 dms, Reichard-Coulston, Samaria, Liverpool
OXIDE—70 cks, Reichard-Coulston, Veendam, Rotterdam
26 cks, C J Osborn & Co, Veendam, Rotterdam
100 bgs, 5 cks, Stanley Doggett, Veendam, Rotterdam
34 cks, J Lee Smith & Co, Kelso, Hull
75 cks, 10 cs, J A McNulty, Samaria, Liverpool
10 cks, 15 kegs, J H Rhodes & Co, Samaria, Liverpool
JUNIPER BERRIES—8 bgs, Park & Tilford, Georgic, London
KAMALA—21 bgs, W E Martin, President Harrison, Karachi
20 bgs, President Harrison, Karachi
KOLA NUTS—14 bgs, Toloa, Kingston
LAUREL LEAVES—120 bls, Van Loan & Co, Vulcania, Trieste
100 bls, Vulcania, Trieste
LICORICE ROOT—38 bgs, Vulcania, Trieste
LOOFAHS — 18 bls, American Sponge & Chamois Co, Kurama, Yokohama
6 bls, E W Cole, Montreal, Kobe
LYCOPODIUM—3 cs, Hamburg, Hamburg
MACE—23 cs, C T Wilson & Co, Rhexenor, Samarang
8 cs, Catz American Co, Bayard, Rotterdam
32 cs, Knickerbocker Mills Co, Greystoke Castle, Batavia
MAGNESIA, CARBONATE—200 bgs, 100 cks, Schofield-Donald Co, Samaria, Liverpool
STEARATE—6 cks, Yardley & Co, Georgic, London
MANGROVE BARK EXTRACT — 3,846 bgs, Philippine Cutch Corp, President Harrison, Manila
MATCHES, SAFETY—1,000 cont, New York Match Co, Hamburg, Hamburg
MATE—18 bgs, Lenoff Co, Southern Prince, Buenos Aires
MEDICINAL PREPS—25 cs, Biddle Purchasing Co, Rotterdam, Rotterdam
MENTHOL—10 cs, Kachurin Drug Co, Montreal, Otaru
50 cs, Geo Uhe Co, Montreal, Otaru
50 cs, Lo Curto & Funk, Montreal, Otaru
METHYLCYCLOHEXANOL—1 can, Eastman Kodak Co, Hamburg, Hamburg
MICA — 204 cs, Gillespie-Rogers-Pyatt Co, Mangalore, Calcutta
169 cs, Irving Trust Co, Mangalore, Calcutta
90 cs, Mangalore, Calcutta
7 cs, Philadelphia Natl Bank, American Banker, London
76 cs, Corn Exchange Bank, American Banker, London
83 cs, American Banker, London
15 cs, Southern Prince, Santos
41 cs, Southern Prince, Rio de Janeiro
BLOCK—14 cs, Irving Trust Co, Mangalore, Calcutta
FILM—28 cs, Irving Trust Co, Mangalore, Calcutta
SPLITTINGS—150 cs, Guaranty Trust Co, Mangalore, Calcutta
923 cs, Irving Trust Co, Mangalore, Calcutta
156 cs, General Electric Co, Mangalore, Calcutta
18 cs, Mangalore, Calcutta
MINERALS—610 bgs, National Lead Co, Southern Prince, Buenos Aires
MINERAL, WHITE—250 bgs, C B Chrystal & Co, Kelso, Hull
500 bgs, Hammill & Gillespie, Kelso, Hull
MOLASSES—1,300,000 gls, Crede, Havana
1,163,500 gls, Commercial Molasses Corp, Sunderholm, Nipe Bay
MUSTARD SEED—200 bgs, Charles Gulden, Black Condor, Rotterdam
150 bgs, J Harrison & Whitney, President Roosevelt, Hamburg
200 bgs, Exminster, Palermo
200 bgs, C Gulden, Black Gull, Rotterdam
MURU MURU KERNELS—1,694 bgs, National City Bank, Polycarp, Manaos

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MYROBALANS—4,400 pockets, National City Bank, Mangalore, Calcutta
NAPHTHALENE—736 bgs, Associated Metal & Mineral Corp, Black Condor, Rotterdam
600 bgs, F B Bertrand, Black Gull, Rotterdam
NIGER SEED—67 bgs, H Von Damn, President Harrison, Bombay
NUTMEGS—137 bgs, J F Frank, Greystoke Castle, Batavia
40 bgs, B H Old & Co, Greystoke Castle, Batavia
OCHER—150 bbls, Smith Chem & Color Co, American Banker, London
175 cks, C K Williams & Co, President Harrison, Marseilles
60 cks, E E Marks & Co, President Harrison, Marseilles
20 cks, Whittaker, Clark & Daniels, Samaria, Liverpool
50 cks, 400 bgs, C K Williams & Co, Exochorda, Marseilles
86 cks, 1,106 bgs, Reichard, Coulston, Exochorda, Marseilles
OIL, ALMOND—10 dms, 50 cs, Magnus, Mabee & Reynard, Exochorda, Marseilles
ANISE—10 dms, Tasmania, Hongkong
BAY—10 cs, Geo Lueders & Co, Borinquen, San Juan
7 cs, J H Rodriguez Co, Borinquen, San Juan
5 cs, D Steengrafe, Rosario, Virogo
CAMPHOR—15 dms, Magnus, Mabee & Reynard, Tasmania, Kobe
50 dms, Dodge & Olcott Co, Tasmania, Kobe
100 dms, Orbis Product Corp, Tasmania, Kobe
15 dms, Magnus, Mabee & Reynard, Tai Ping Yang, Yokohama
82 dms, Mitsubishi Shoji Kaisha, Tai Ping Yang, Yokohama
CHINAWOOD—133 dms, Tasmania, Canton
CITRONELLA—11 dms, Rhexenor, Colombo
2 dms, Dodge & Olcott Co, Greystoke Castle, Batavia
8 dms, Greystoke Castle, Batavia
COCONUT — 476 tons, Spencer Kellogg & Sons, Kurama, Cebu
500 tons, Kurama, Manila
COD—799 dms, J D Irwin & Co, President Roosevelt, Hamburg
350 dms, Hamburg, Hamburg
250 dms, St Louis, Hamburg
CODLIVER—705 dms, C T Smith, President Roosevelt, Hamburg
35 dms, President Roosevelt, Hamburg
76 dms, S Emy, Tai Ping Yang, Yokohama
340 dms, Consumers Import Co, Kelso, Hull
400 dms, Brown Bros Harriman Co, Kelso, Hull
60 dms, S Emy, Kurama, Yokohama
872 dms, American Shipping Co, Emile Francqui, Antwerp
CORN—50 dms, N C Littauer, Black Condor, Antwerp
50 dms, Black Condor, Antwerp
352 dms, Corn Product Refg Co, Tasmania, Kobe
100 dms, I R Boody & Co, Koenigstein, Antwerp
180 dms, Corn Product Refg Co, Cameronia, Glasgow
104 dms, N C Littauer, Georgic, London
121 dms, Georgic, London
25 dms, Veendam, Rotterdam
105 dms, A Banta Co, Kelso, Hull
50 dms, N C Littauer, Black Gull, Antwerp
50 dms, Venice Import Co, Black Gull, Antwerp
COTTONSEED—Quantity, Durkee Famous Foods, Tai Ping Yang, Kobe
Quantity, Pacific Vegetable Oil Co, Tai Ping Yang, Kobe
Quantity, Wilbur Ellis Co, Montreal, Shanghai
793,125 kilos, Exminster, Alexandria
800 tons, Swift & Co, Mittelmeer, Liverpool
250 tons, Wilson & Co, Mittelmeer, Liverpool
CRUDE—20 dms, Bryant & Heffermann, Panuco, Tampico
ESSENTIAL—9 dms, Platano, Porto Barrios
18 pkgs, President Roosevelt, Havre
2 dms, Tai Ping Yang, Yokohama
4 pkgs, Georgic, London
1 cs, 8 dms, American Banker, London
3 cs, President Harrison, Penang
3 cs, President Harrison, Marseilles
1 dm, Toloa, Kingston
3 cs, Queen Mary, Southampton
21 cs, Veendam, Rotterdam
8 dms, Musa, Pto Barrios
38 pkgs, Exochorda, Marseilles
FISH—23 dms, S Emy, Kurama, Yokohama
FUEL—2,772,151 gls, Standard Oil Co of N J, Beth, Porto Mexico
65,269 bbls, Asiatic Petroleum Corp, Spondilua, Curacao
53,718 bbls, Asiatic Petroleum Corp, San Salvador, Curacao
65,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
67,100 bbls, Standard Oil Co of N J, Montana, Aruba
110,250 bbls, Standard Oil Co of N J, Harry G Seidel, Aruba
GERANIUM — 5 cs, E Lelong, Exochorda, Marseilles
GREASE—70 bbls, Robinson-Wagner Co, Tai Ping Yang, Kobe
LEMON—2 dms, W Loaiza & Co, Siboney, Vera Cruz
LIME—2 cs, Gillespie & Co, Toloa, Kingston
LUBRICATING—100 dms, Webbal Service Co, Black Condor, Antwerp
MINERAL—22 dms, Meadows, Wye & Co, Georgic, London
OITICICA—355 dms, Irving Trust Co, Pennland, Antwerp
103 dms, Southern Prince, Rio de Janeiro
OLIVE—500 dms, Vulcania, Lisbon
75 dms, Great Atlantic & Pacific Tea Co, President Harrison, Genoa
547 cs, President Harrison, Genoa
10 dms, M Debross, President Harrison, Genoa
100 dms, Venice Import Co, President Harrison, Genoa
75 dms, A N Cory Corp, President Harrison, Genoa
50 dms, Lekas & Drivas, President Harrison, Genoa
25 dms, T Marcella, President Harrison, Genoa
100 dms, Agash Refining Co, President Harrison, Genoa
10 dms, Toporosta Import Co, President Harrison, Genoa
50 cs, President Harrison, Marseilles
100 dms, Leghorn Trading Co, Exminster, Yera
200 dms, Leghorn Trading Co, Exochorda, Piraeus
15 dms, Levant Amer Comm'l Co, Exochorda, Piraeus
85 dms, National Bank of Greece, Exochorda, Piraeus
100 dms, Ossola Bros, Exochorda, Piraeus
25 dms, National Food Prod Co, Exochorda, Piraeus
520 cs, Exochorda, Leghorn
25 dms, P Pastene & Co, Exochorda, Genoa
25 dms, A Biccini, Exochorda, Genoa
20 dms, Kienzler Co, Exochorda, Marseilles
25 dms, Geo Lueders & Co, Exochorda, Marseilles
25 dms, Banca Com'l Italian Trust Co, Exochorda, Marseilles
50 dms, Lekas & Drivas, Exochorda, Marseilles
25 dms, Exochorda, Marseilles
1,000 cs, Exochorda, Genoa
OLIVE FOOTS—359 bbls, A C Hagen Corp, President Harrison, Marseilles
OIL, OPOPONAX—1 cs, Davies, Turner & Co, American Banker, London
ORANGE—4 cans, 1 ck, Hamburg, Hamburg
PALM—280 tons, Bunge North American Grain Co, Rhexenor, Belawan
681 tons, Banque Belge pour l'Etranger, Greystoke Castle, Belawan
10 bbls, Balfour, Guthrie & Co, Kelso, Hull
PALMAROSA—2 pots, Volkart Bros, President Harrison, Bombay
PALMKERNELS—50 dms, Rotterdam, Rotterdam
1,000 tons, Procter & Gamble Co, Mittelmeer, Liverpool
250 tons, Colgate-Palmolive-Peet Co, Mittelmeer, Liverpool
PATCHOULI — 21 cs, President Harrison, Singapore
1 dm, Greystoke Castle, Batavia
PEANUT—10 dms, Lamont, Corliss & Co, Black Condor, Rotterdam
55 dms, Holland American Line, Veendam, Rotterdam
50 dms, Veendam, Rotterdam
PERILLA—Quantity, S L Jones & Co, Tai Ping Yang, Kobe
RHODIUM—1 cs, American Banker, London
RICE BRAN—110 dms, W R Grace & Co, Tai Ping Yang, Kobe
200 dms, W R Grace & Co, Tai Ping Yang, Yokohama
1 dm, Mitsubishi Shoji Kaisha, Kurama, Yokohama
ROSEWOOD—30 dms, Polycarp, Manaos
7 dms, Givaudan-Delawanna, Polycarp, Para
SAGE—3 cks, Dodge & Olcott Co, Vulcania, Trieste
SASSAFRAS—50 dms, Orbis Product Corp, Tasmania, Kobe
SESAME—294,000 kilos, Black Condor, Rotterdam
50 dms, Veendam, Rotterdam
SEAL—25 cks, Fort Amherst, St Johns
SOYBEAN—54 dms, Holland American Line, Veendam, Rotterdam
SPERM—25 dms, Cameronia, Glasgow
TEASEED — 200 dms, Melchers, Inc, Tasmania, Hongkong
100 dms, East Asiatic Co, Tai Ping Yang, Shanghai
140 dms, East Asiatic Co, Montreal, Shanghai
200 dms, American Cyanamid & Chem Co, Montreal, Shanghai
VEGETABLE—50 dms, I R Boody & Co, Veendam, Rotterdam
270 dms, W R Grace & Co, Montreal, Kobe
VETIVER—1 dm, Greystoke Castle, Batavia
YLANG YLANG—2 cs, E Lelong, Exochorda, Marseilles
OLEIN—1 dm, Michel Export Co, Veendam, Rotterdam
ORANGE PEEL—105 bgs, Samaria, Liverpool
PAPAIN—5 cs, Georgic, London
10 cs, R J Prentiss & Co, President Harrison, Colombo
30 cs, S B Penick & Co, President Harrison, Colombo
40 cs, Central Hanover Bank, Queen Mary, Southampton
PAPRIKA—100 bgs, Levy & Levis Co, Vulcania, Trieste
15 bgs, Master Butcher Supply Co, Vulcania, Trieste
25 bgs, Newton Prod Co, Vulcania, Trieste
215 bgs, Vulcania, Trieste
25 bgs, J Raphael & Son, American Traveler, Hamburg
60 bgs, 20 cs, H Schoenfeld & Son, Hamburg, Hamburg
75 bgs, Hamburg, Hamburg
450 bgs, Samaria, Liverpool
PARIS GREEN—8 cks, C J Osborn & Co, Kelso, Hull
PATCHOULI LEAVES—40 bls, Lo Curto & Funk, President Harrison, Singapore
76 bls, Volkart Bros, Greystoke Castle, Penang
81 bls, Greystoke Castle, Penang
PEATDUST—280 bls, New Amsterdam Mfg & Supply Co, Bayard, Glasgow
PEATMOSS—2,500 bls, 57 ctns, Columbus, Bremen
1,590 bls, American Traveler, Hamburg
PEPPER, BLACK—486 bgs, Greystoke Castle, Batavia
PETROLATUM—11 dms, Th Goldschmidt Corp, Hamburg, Hamburg
PETROLEUM, CRUDE—81,056 bbls, Standard Oil Co of N J, W H Libby, Guira
48,192 bbls, Werner-Quinlan Co, Ranvik, Las Piedras
PHOSPHORUS, AMORPHOUS — 30 cs, C W Campbell & Co, Tai Ping Yang, Shanghai
POPPYSEED—150 bgs, 16,500 lbs, Bunge North American Grain Co, Veendam, Rotterdam
150 bgs, 16,500 lbs, C M Van Sillevoldt, Veendam, Rotterdam
200 bgs, 22,000 lbs, M Witsenburg, Veendam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Veendam, Rotterdam
150 bgs, 16,500 lbs, Veendam, Rotterdam
POTASH CARBONATE—8 cks, T C Wygandt, Hamburg, Hamburg
31 cks, Innis, Speiden & Co, Hamburg, Hamburg
MURIATE—200 bgs, N V Potash Export My, Koenigstein, Antwerp
PYRETHRUM FLOWERS—18 bls, J L Hopkins & Co, Vulcania, Trieste
62 bls, S B Penick & Co, Vulcania, Dubrovnik
207 bls, McKesson & Robbins, Vulcania, Dubrovnik
240 bls, Vulcania, Dubrovnik
375 bls, S B Penick & Co, Tai Ping Yang, Kobe
125 bls, R J Prentiss & Co, Montreal, Otaru
200 bls, J Powell & Co, Montreal, Kobe
QUASSIA CHIPS—664 bgs, Toloa, Kingston
QUEBRACHO EXTRACT—1,500 bgs, International Product Corp, Southern Prince, Buenos Aires
QUICKSILVER—1,000 flasks, Vulcania, Trieste
12 flasks, Siboney, Vera Cruz
QUINCE SEED—99 bgs, E Meer & Co, Hamburg, Hamburg
49 bgs, S B Penick & Co, Hamburg, Hamburg
40 bgs, E Meer & Co, Exochorda, Beyrouth
42 bgs, Nawi Noonoo, Exochorda, Beyrouth
RESIN—38 cs, Carl Bertirch & Co, Polycarp, Manaos
52 cs, Polycarp, Manaos
RHUBARB—24 cs, S B Penick & Co, Montreal, Shanghai
ROOT, MEDICINAL—30 bls, 30 cs, S B Penick & Co, Vulcania, Trieste
20 bls, Black Gull, Antwerp
ROSE LEAVES, POWDERED—2 kegs, Yardley & Co, Georgic, London
ROSIN—7 cs, Mecke & Co, San Juan, Azua
SABADILLA SEED—40 bgs, Royal Bank of Canada, Van Rensselaer, La Guayra
SAFFRON FLOWERS—1 cs, Villar & Osorio, Exochorda, Marseilles
SAGO FLOUR—3,840 bgs, Greystoke Castle, Singapore
800 bgs, Chase National Bank, Kurama, Penang
742 bgs, Stein, Hall & Co, Kurama, Penang
380 bgs, Kurama, Penang
SALT—500 bgs, Middleton & Co, Amor, Turks Island
SALTCAKE—1,382 bgs, W R Grace & Co, Santa Maria, Antofagasta
SARDINE MEAL—1,120 bgs, Ashcraft-Wilkinson Co, Tasmania, Yokohama
2,000 bgs, Consumers' Import Co, Tai Ping Yang, Kobe
SARSAPARILLA ROOT—18 bls, Panuco, Tampico
14 bls, Cauto, Tampico
SAWDUST—596 bgs, State Chem Co, Rotterdam, Rotterdam
SEED, MEDICINAL—50 bgs, Assoc Laboratories, President Harrison, Marseilles
SENNA LEAVES—75 bls, Allaire, Woodward & Co, President Harrison, Tuticorin
100 bls, President Harrison, Tuticorin
47 bls, Mangalore, Port Sudan
SESAME SEED—600 bgs, East Asiatic Co, Tasmania, Hankow
2,100 bgs, Arnhold & Co, Tasmania, Hankow
60 bgs, President Harrison, Bombay
SHELLAC—1,365 bgs, Wm Zinsser & Co, Mangalore, Calcutta
500 bgs, E E Androvette, Mangalore, Calcutta
75 cs, Mercantile Import Co, Mangalore, Calcutta
75 cs, 525 bgs, Guaranty Trust Co, Mangalore, Calcutta
200 bgs, Brown Bros Harrimann, Mangalore, Calcutta
100 cs, National City Bank, Mangalore, Calcutta
300 bgs, Argenti & Co, Mangalore, Calcutta
50 bgs, Mangalore, Calcutta
35 bgs, 30 cs, A Hurst & Co, Hamburg, Hamburg
BUTTON LAC—25 bgs, E E Androvette, Mangalore, Calcutta
50 cs, National City Bank, Mangalore, Calcutta
SEEDLAC—600 bgs, Guaranty Trust Co, Mangalore, Calcutta
200 bgs, Mangalore, Calcutta
400 bgs, Bank of London South America, Mangalore, Calcutta
600 bgs, Wm Zinsser & Co, Mangalore, Calcutta
700 bgs, Argenti & Co, Mangalore, Calcutta
SIENNA—100 cks J Lee Smith & Co, Exochorda, Leghorn
50 cks, Reichard Coulston, Exochorda, Leghorn
SILICIOUS EARTH—136 bgs, C B Chrystal & Co, Columbus, Bremen
SOAP BARK—280 bls, Sessa, San Antonio
373 bls, Duncan, Fox & Co, Sessa, San Antonio
SOAP—25 cs, R H Macy & Co, Vulcania, Trieste
25 cs, W E Martin, Vulcania, Trieste
50 cs, Concentrate Mfg Co, President Roosevelt, Havre
20 dms, Cameronia, Glasgow
10 cs, H W Robinson & Co, Hamburg, Hamburg
9 cs, Corn Exchange Bank, Queen Mary, Southampton
1,180 cs, Conti Prod Corp, Exochorda, Leghorn
BASE—2 cs, Yardley & Co, Georgic, London
MILLINGS—56 cs, Yardley & Co, Georgic, London
SOFT—10 dms, J Fyfe, Cameronia, Glasgow
STEARIN CHIPS—3 cs, Yardley & Co, Georgic, London
TOILET—6 cs, American Express Co, American Banker, London
SODA, CYANIDE—1 dm, H H Rosenthal Co, Tai Ping Yang, Kobe
200 dms, 125 cs, American Cyanamid & Chem Co, Veendam, Rotterdam
HYDROSULPHITE — 70 dms, Hamburg, Hamburg
NITRATE — 136,100 kilos, Chilean Nitrate Sales Corp, Sessa, Tocopilla
17,886 bgs, Chilean Nitrate Sales Corp, Sessa, Tocopilla
SILICOFUORIDE—80 bbls, Hummel Chem Co, Hamburg, Hamburg
SULPHATE—125 dms, Advance Solvents & Chem Co, Koenigstein, Antwerp
SPONGES—5 bls, Popular Bark, Vulcania, Patras
21 bls, World Sponge Market, Amor, Turks Island
19 bls, Schroeder & Tremayne, Siboney, Havana
13 bls, Munargo, Nassau
WASTE—3 bls, Munargo, Nassau
STARCH, POTATO — 50 bgs, Morningstar Nicol, Veendam, Rotterdam
RICE—10 bgs, Yardley & Co, Georgic, London
STEARIN, PITCH—108 bbls, Irving Trust Co, Hamburg, Hamburg
274 dms, A V Berner & Co, Kelso, Hull
110 dms, S K Ketler, Kelso, Hull
135 dms, J J Gavin, Kelso, Hull
STORAX—50 cs, Exminster, Istanbul
SULPHUR—20 cks, Lo Curto & Funk, Samaria, Liverpool
SUMAC—350 bgs, Exminster, Palermo
TALC—500 bgs, Whittaker, Clark & Daniels, Tasmania, Kobe
500 bgs, C B Chrystal & Co, Tai Ping Yang, Tasmania, Kobe
200 bgs, L A Salomon & Bros, Tai Ping Yang, Yokohama
2,000 bgs, Sino Java Handel, Montreal, Shanghai
TALLOW—55 bbls, 61 dms, 135 cks, Port Denison, Auckland
84 cks, Port Denison, Napier
218 cks, Port Denison, Lyttleton
50 bbls, Port Denison, Port Chalmer
VEGETABLE—417 bgs, Colgate-Palmolive-Peet Co, Tasmania, Hankow
1,049 bgs, Bunge North American Grain Co, Montreal, Shanghai
236 bgs, Bingham & Co, Montreal, Shanghai
489 pkgs, East Asiatic Co, Montreal, Shanghai
TAPIOCA FLOUR—1,768 bgs, Stein, Hall & Co, Rhexenor, Batavia
537 bgs, Stein, Hall & Co, Rhexenor, Cheribon
2,506 bgs, Rutger, Bleecker & Co, Rhexenor, Cheribon
525 bgs, Chase Natl Bank, Rhexenor, Cheribon
1,015 bgs, H P Winter & Co, Rhexenor, Cheribon
4,950 bgs, Stein, Hall & Co, Rhexenor, Sourabaya
500 bgs, Java American Export Co, Rhexenor, Sourabaya
500 bgs, J Lowe, Greystoke Castle, Batavia
2,250 bgs, Stein, Hall & Co, Greystoke Castle, Batavia
250 bgs, American Cyanamid & Chem Co, Greystoke Castle, Cheribon
Cheribon
2,488 bgs, Stein, Hall & Co, Greystoke Castle, Cheribon
521 bgs, Chase Natl Bank, Greystoke Castle, Cheribon
521 bgs, Chase Natl Bank, Greystoke Castle, Cheribon
250 bgs, Greystoke Castle, Cheribon
1,025 bgs, Java American Export Co, Greystoke Castle, Sourabaya
6,251 bgs, 1 cs, Corn Product Refg Co, Almena, Puerto Plata
PEARL—112 bgs, Chase Natl Bank, Rhexenor Cheribon
TARTAR—230 bgs, President Harrison, Marseilles
60 bgs, J H Lowenstein & Son, Samaria, Liverpool
191 bgs, Charles Pfizer & Co, Exochorda, Marseilles
THROBROMINE—25 cs, Bilhuber, Knoll Corp, Hamburg, Hamburg
THYME LEAVES—41 bls, Exochorda, Marseilles
TIMBO POWD—200 cs, Polycarp, Manaos
TONKA BEANS—34 cs, Guaranty Trust Co, Polycarp, Manaos

TURMERIC, FINGERS — 120 bgs, National City Bank, President Harrison, Alleppey
UMBER—180 bgs, Whittaker, Clark & Daniels, Samaria, Liverpool
BURNT—30 cks, Chase National Bank, Exochorda, Alexandria
VALEX—65 bgs, Exminster, Izmir
VALONEA—1,313 bgs, Exminster, Izmir
EXTRACT—1,258 bgs, International Product Corp, Exminster, Yera
VANADIUM—2,200 bgs, Vanadian Corp, Santa Maria, Callao
5,600 bgs, Vanadium Corp, Curaca, Callao
VANILLA BEANS—16 cs, Geo Luecders & Co, President Harrison, Marseilles
50 cs, President Harrison, Marseilles
29 cs, Dammann & Smeltzer, Exochorda, Marseilles
43 cs, Exochorda, Marseilles
VARNISH—15 cs, Haas Bros, Black Condor, Rotterdam
WATER, MINERAL—50 cs, Olaf Hertzwig Trading Co, Drottningholm, Gothenburg
60 cs, Weickle & Galgana, Black Gull, Antwerp
240 cs, G Ascione, Exochorda, Genoa
WAX, BEES—20 bgs, Panuco, Tampico
63 bgs, Cauto, Tampico
71 bgs, D A Zorilla, Cauto, Tampico
29 bgs, Curacao Trading Co, Borinquen, Trujillo
12 pkgs, Van Rensselaer, Port Prince
167 bgs, D Steengrafe, Pocone, Rio de Janeiro
90 bgs, W M Allison & Co, Pocone, Rio de Janeiro
285 bgs, Pocone, Rio de Janeiro
9 bgs, Schutte & Focke, San Juan, Barahona
7 bgs, Schutte & Focke, San Juan, Azua
21 bgs, Mecke & Co, San Juan, Azua
7 bgs, Porcelli, Vicini & Co, Almena, Puerto Plata
BLOCK—250 bgs, Hamburg, Hamburg
CANDELILLA — 265 bgs, D A Zorilla, Panuco, Tampico
460 bgs, D A Zorilla, Cauto, Tampico
441 bgs, M Argueso & Co, Cauto, Tampico
CARNAUBA—56 bgs, American Cyanamid & Chemical Co, Polycarp, Para
190 bgs, Polycarp, Para
MONTAN — 675 bgs, Strohmeyer & Arpe Co, Hamburg, Hamburg
OZOKERITE—25 bgs, American Cyanamid & Chemical Co, Vulcania, Trieste
20 bgs, Vulcania, Trieste
10 bgs, 10 cs, R M Dick, Hamburg, Hamburg
4 cs, F B Vandegrift & Co, Samaria, Liverpool
VEGETABLE—30 bgs, A Hurst & Co, American Banker, London
200 cs, Socony Vacuum Oil Co, Montreal, Kobe
WOOLFAT—20 cs, Hamburg, Hamburg
WITHERITE—2,000 bgs, 200 tons, 34 cwt, 6 qtrs, 24 lbs, Kelso, Aberdeen
WOLFRAM ORE—1,120 bgs, Tai Ping Yang, Shanghai
400 bgs, Pennland, Antwerp
2,240 bgs, Veendam, Rotterdam
560 bgs, Montreal, Shanghai
WOODFLOUR—400 bgs, State Chem Co, Rotterdam, Rotterdam
YEAST—20 bgs, Lo Curto & Funk, Columbus, Bremen
89 kegs, Compressed Yeast Co, Hamburg, Hamburg
65 bbls, Vulkan Yeast Co, Hamburg, Hamburg
25 bgs, Veges, Inc, Hamburg, Hamburg
200 cks, Guaranty Trust Co, Bremen, Bremen
ZINC OXIDE—45 bbls, Philipp Bros, Koenigstein, Antwerp
224 bgs, Whittaker, Clark & Daniels, Kelso, Hull

## New York Transit Imports

BRISTLES—55 cs, Wooster Brush Co, Tai Ping Yang, Mukden, Wooster, Ohio
5 cs, H Rosenhirsch Co, Montreal, Kobe, Providence
CARAWAY SEED—400 bgs, Holland American Line, Veendam, Rotterdam, Chicago
CORIANDER SEED — 18 bgs, American Banker, London, Peekskill
GELATIN, SHEET—45 cs, American Express Co, Veendam, Rotterdam, Rochester
GLASS, WINDOW—1,425 cs, Eastman Kodak Co, President Roosevelt, Hamburg, Rochester
HOPS—5 bls, Veendam, Rotterdam, Cleveland
MUSTARD SEED—150 bgs, C M Van Sillevoldt, Black Gull, Rotterdam, Cleveland
OIL, CASTOR—1 pkg, Hercules Powder Co, Veendam, Rotterdam, Providence
CHINAWOOD—550 tons, W G Smith Co, Tai Ping Yang, Shanghai, Cleveland
FISH—20 dms, Hickman Kodak Co, Kurama, Kobe, Rochester
POPPYSEED—150 bgs, J C Stewart Co, Bayard, Rotterdam, Pittsburgh
SPONGES—14 bls, Oriente, Havana, Stockholm
62 bls, Siboney, Havana, Paris
2 bls, Munargo, Nassau, Shanghai
2 bls, Munargo, Nassau, London
WASTE—20 bls, Munargo, Nassau, Kobe

## Baltimore Imports

ALUMINUM AND BRONZE POWDER—3 cs, Trans Seas Shipping Co, City of Hamburg, Hamburg
ANTIMONY OXIDE — 100 bgs, Kwansai, Shanghai
BLACK CARBON—1 cs, Manchester Producer, Manchester
CHEMICALS—71 cks, City of Hamburg, Hamburg
650 bgs, City of Hamburg, Bremen
350 cks, 80 dms, Bilderdijk, Rotterdam
50 cks, Advance Solvents & Chem Co, Bilderdijk, Rotterdam
CHROME ORE—2,286 tons, Exchange, Fethiye
CLAY—60 cks, City of Hamburg, Bremen
VALLENDAR—100 cks, Bilderdijk, Rotterdam
COLORS, EARTH—20 cks, Bilderdijk, Rotterdam
CRYOLITE, SYN—276 cks, Ch Hardy, Schodack, Havre
FERROMANGANESE—300 cs, Kwansai, Tokio
FERTILIZER, NITROGENOUS — 6,700 bgs, Exchange, Piraeus
1,120 bgs, Artigas, Hull
ILMENITE SAND—2,000 tons, Springbank, Koilthottam
IRON ORE—22,350 tons, Bethlehem Steel Co, Amerikaland, Cruz Grande
MANGANESE ORE—1,000 tons, City of Worcester, Calcutta
5,400 tons, Amtorg Trading Corp, Baron Lovat, Poti
MOLASSES — 1,404,690 gls, Commercial Molasses Corp, Ruth Kellogg, San Juan
1,394,130 gls, Cuba Distilling Co, Elizabeth Kellogg, Matanzas
OIL, CODLIVER—10 dms, City of Hamburg, Hamburg
FUEL—53,000 bbls, Standard Oil Co of N J, Sylvafield, Aruba
VEGETABLE—100 dms, Bilderdijk, Rotterdam
PEATMOSS — 4,675 bls, City of Hamburg, Bremen
900 bls, City of Hamburg, Hamburg
PETROLEUM, CRUDE — 61,968 bbls, Pan American Refg Corp, Beaulieu, Las Piedras
PYRITES, IRON—4,101 tons, Baron Blythswood, Huelva
6,483 tons, Brask, Huelva
SAND, FURNACE—1,600 bgs, Bilderdijk, Rotterdam
SIENNA—200 dble bgs, E M & F Waldo, Exermont, Leghorn
TALC—2,075 bgs, Schodack, Bordeaux
TURMERIC—480 bgs, Springbank, Alleppey
240 bgs, Springbank, Cochin

## Boston Imports

AMMONIA, SULPHATE—100 bgs, Bradley & Baker, Edam, Rotterdam
BARYTES—400 bgs, Stanley Doggett, Ida, Venice
BAUXITE — 2,200 tons, Aluminum Union, Torny, Georgetown, B G
BLEACHING POWDER—163 cks, Ida, Naples
BONE PHOSPHATE—100 bgs, 11,023 lbs, American Express Co, Black Condor, Antwerp
BONES—398 bgs, 30,690 lbs, Philadelphia National Bank, Culberson, Bahia
CARAWAY SEED—50 bgs, D & L Slade Co, Edam, Rotterdam
CARRAGHEEN EXTRACT—1 bbl, H J Quinn & Co, Frankfurt, Hamburg
CEMENT, RUBBER—1 cs, B B Chemical Co, Jeff Davis, Melbourne
CHALK—1,040 bgs, 114,639 lbs, Black Condor, Antwerp
CHEMICALS—100 bgs, 50 dms, 31,526 lbs, Black Condor, Rotterdam
130 dms, 59,201 lbs, Chase National Bank, Black Condor, Rotterdam
34 bbls, 12,672 lbs, First Nat Bank, Black Condor, Antwerp
50 bgs, 25 bbls, 22,983 lbs, African Metals Corpn, Black Condor, Antwerp
275 bgs, 55,023 lbs, Black Condor, Antwerp
15 bbls, 4,634 lbs, Philipp Bros, Black Condor, Antwerp
250 bgs, Fred A Kertess, Frankfurt, Hamburg
COCOA BEANS—1,000 bgs, 132,276 lbs, Wessel, Duval & Co, Culberson, Bahia
1,000 bgs, 132,276 lbs, Wessel, Kulenkampff & Co, Culberson, Bahia
750 bgs, Middleton & Co, Ltd, Lady Hawkins, Trinidad
500 bgs, Lady Hawkins, Trinidad
COCOA BUTTER—250 cs, 39,515 lbs, Wallace Anderson, Culberson, Bahia
DEXTRIN—20 bgs, Edam, Rotterdam
POTATO—100 bgs, Stein, Hall & Co, Edam, Rotterdam
EMERY FILLET—1 cs, Atkinson, Haserick & Co, Samaria, Liverpool
FENNEL SEED—25 cs, Ida, Palermo
FISH LIVERS—4 cs, S B Penick & Co, Evangeline, Yarmouth
56 cs, 1 bx, from Nova Scotia
4 cs, John Nagle, Evangeline, Yarmouth
MEAL—1,023 bgs, 115,940 lbs, H J Baker & Bro, Culberson, Buenos Aires
GASOLINE—27 dms, Shell Union Oil Corp, Frankfurt, Hamburg
GELATIN—308 bgs, 34,652 lbs, Stone & Downer, Black Condor, Antwerp
412 bgs, 46,943 lbs, International Selling Corp, Black Condor, Antwerp
GLASS, PLATE—13 cs, 38,690 lbs, Karas & Karas Glass Co, Black Condor, Antwerp
GLUE, POWDER—200 bgs, 22,830 lbs, Rex & Reynolds, Exochorda, Marseilles
GLUESTOCK, FISH SCRAP—3 cs, J R Poole Co, Evangeline, Yarmouth
11 bgs, 1 bbl, Rogers Isinglass & Glue Co, Nova Scotia, Halifax
HIDE CUTTINGS—440 bgs, 35 tons, 16 cwt, 2 qtrs, Samaria, Liverpool
125 bgs, 7 tons, 11 cwt, 3 qtrs, American Express Co, Samaria, Liverpool
GOLD THREAD—2 bgs, Chester E Gould, Evangeline, Yarmouth
GUM, ARABIC—400 bgs, 89,948 lbs, Mangalore, Port Sudan
150 bgs, 3,730 lbs, American Cyanamid & Chem Co, Mangalore, Port Sudan
COPAL—45 baskts, Talisse, Batavia
INDUSTRIAL — 50 cks, 12 tons, 10 cwt, J P Marston Co, Samaria, Liverpool
HERBS, AROMATIC—1 cs, 321 lbs, Exochorda, Genoa
IRISH MOSS — 15 bls, 1 ton, 3 cwt, 7 lbs, Samaria, Liverpool
IRON ORE—9,000 tons, Mystic Iron Works, A L Kent, Wabana, N F
LIME JUICE—5 hghds, Lady Hawkins, Dominica
MACE—22 cs, Catz American Co, Talisse, Batavia
MAGNESITE—200 bgs, Edam, Rotterdam
MICA SPLITTINGS—25 cs, National City Bank, Mangalore, Calcutta
100 cs, Guaranty Trust Co, Mangalore, Calcutta
130 cs, Irving Trust Co, Mangalore, Calcutta
715 cs, Mangalore, Calcutta
200 cs, Wallace Bros & Co, Mangalore, Calcutta
150 cs, Guaranty Trust Co, Marwarri, Calcutta
100 cs, Marwarri, Calcutta
WASTE—100 cs, 7 tons, 11 cwt, 13 lbs, Banca Commerciale Italiana Trust Co, Samaria, Liverpool
MILK, POWDER—100 bgs, Stengel & Co, Edam, Rotterdam
10 bbls, Edam, Rotterdam
MOLASSES—1,850 bbls, Boston Molasses Co, Torny, Barbados
5 pnchns, S G Preble, Nova Scotia, Halifax
MUSTARD SEED—150 bgs, Stickney & Poor Spice Co, Edam, Rotterdam
NAPHTHALENE—1,000 bgs, Edam, Rotterdam
2,000 bgs, 445,329 lbs, Black Condor, Rotterdam
OCHER—300 bgs, 15,873 lbs, Exochorda, Marseilles
92 bgs, 11,438 lbs, Reichard-Coulston, Exochorda, Marseilles
OIL, COCONUT—525 tons, Philippine Refining Corp, Silverteak, Cebu
CODLIVER—200 dms, 50,706 lbs, United Drug Co, Black Condor, Rotterdam
100 dms, Frankfurt, Bremen
COTTONSEED—100 dms, 48,239 lbs, Black Condor, Rotterdam
LUBRICATING—3 dms, Shell Union Oil Corp, Frankfurt, Hamburg
OLIVE—200 dms, First National Bank, Edam, Rotterdam
55 cs, 6,548 lbs, Prince Macaroni Mfg Co, Exochorda, Genoa
PALM—84 cks, 135,391 lbs, Balfour, Guthrie & Co, Black Condor, Rotterdam
520 tons, Talisse, Belawan-Deli
PALMKERNEL—500 tons, Mittelmeer, Aarhus
634,925 lbs, Frankfurt, Hamburg
OSSEIN—2,500 bgs, 279,984 lbs, J O Whitten Co, Black Condor, Antwerp
3,113 bgs, 454,161 lbs, Black Condor, Antwerp
2,600 bgs, 264,585 lbs, Atlantic Gelatine Co, Black Condor, Antwerp
PEATMOSS—571 bls, Premier Peatmoss Corp, Edam, Rotterdam
1,250 bls, Frankfurt, Bremen
PEPPER, BLACK—81 bgs, Talisse, Oosthaven
POTASH, MURIATE — 1,007,282 lbs, First National Bank, Black Condor, Antwerp
SULPHATE—1,000 bgs, 199,997 lbs, First National Bank, Black Condor, Antwerp
PUMICE—750 bgs, Ida, Canneto Lipari
QUEBRACHO EXTRACT—8,990 bgs, 979,042 lbs, American Tanners, Culberson, Buenos Aires
1,400 bgs, 138,722 lbs, International Products Corp, Culberson, Buenos Aires
SOAP—50 cs, 2,041 lbs, Conti Products Corp, Exochorda, Leghorn
TOILET—1 cs, Lever Bros, Samaria, Liverpool
SHELLAC—81 bgs, Manufacturers Trust Co, Marwarri, Calcutta
200 bgs, Grace National Bank, Mangalore, Calcutta
50 bgs, Mangalore, Calcutta
300 bgs, Manufacturers Trust Co, Mangalore, Calcutta
10 cs, J Henry Shroeder Banking Corp, Edam, Rotterdam
60 dble bgs, J Henry Schroeder Banking Corp, Frankfurt, Hamburg
BUTTONLAC—50 bgs, Guaranty Trust Co, Mangalore, Calcutta
50 bgs, National City Bank, Mangalore, Calcutta
SEEDLAC—200 bgs, Mangalore, Calcutta
100 bgs, First National Bank, Marwarri, Calcutta
STARCH, CHEMICALLY TREATED — 600 bgs, 66,138 lbs, A M Meincke & Son, Black Condor, Rotterdam
2 bgs, Edam, Rotterdam
POTATO—750 bgs, Edam, Rotterdam
250 bgs, Continental Grain Co, Edam, Rotterdam
TALLOW—63 csks, 27 tons, 16 cwt, 3 qtrs, 21 lbs, Opawa, Gisborne
TANKAGE—700 bgs, 50 tons, 10 cwt, 3 qtrs, 21 lbs, Jeff Davis, Melbourne
1,000 bgs, 101,092 lbs, Culberson, Santos
TAPIOCA FLOUR—750 bgs, Chase National Bank, Silverteak, Cheribon
2,193 bgs, National City Bank, Talisse, Sourabaya
500 bgs, Chase National Bank, Talisse, Batavia
WATER, AERATED—30 cs, S S Pierce Co, Samaria, Belfast
MEDICINAL—2 cs, 132 lbs, George T Paraschos, Exochorda, Piraeus
WAX, BEES—19 bls, Frank B Ross Co, Edam, Rotterdam
CRUDE — 200 bgs, American Cyanamid & Chemical Corp, Frankfurt, Hamburg
MONTAN—50 bgs, Strohmeyer & Arpe Co, Frankfurt, Hamburg
WHITING—500 bgs, 55,115 lbs, Nicholas H Weitzner, Black Condor, Antwerp
WOODFLOUR—400 bgs, State Chemical Co, Edam Rotterdam
ZINC, DUST—50 dms, Frankfurt, Hamburg

## Houston Imports

CHEMICALS—135 dms, West Quechee, Rotterdam
HOPS—40 bls, El Coston, New York
PEETMOSS—908 bls, 50 half bls, Boschdijk, Rotterdam

## Los Angeles Imports

AGAR AGAR—670 lbs, Koryu, Nagoya
ALCOHOL—80,000 lbs, Saparoea, Manila
AMMONIA CARBONATE—5,000 lbs, Pacific Ranger, Glasgow
PHOSPHATE—259,840 lbs, Kingsley, Trail
4,910,080 lbs, Ravnaas, Antwerp
SULPHATE—40,480 lbs, Kingsley, Trail
ARSENIC—66,140 lbs, Balboa, Stockholm
BABASSU KERNELS—103,570 lbs, Brimanger, Para
BLOOD, DRIED—45,700 lbs, Hauraki, Sydney
BONE, PHOSPHATE—223,610 lbs, Brimanger, Antwerp
CALCIUM CHLORIDE—120 pkgs, 44,970 lbs, Elbe, Koln
NITRATE—6,425,200 lbs, Abraham Lincoln, Oslo
SILICON—33,600 lbs, Abraham Lincoln, Oslo
CARAWAY SEED—10,900 lbs, Heranger, Holland
CASTOR BEANS—44,800 lbs, Brimanger, S Luiz Braz
CHALK, PRECIPITATED—11,360 lbs, Tai Ping Yang, Osaka
22,270 lbs, Tohsei, Osaka
CHEMICAL COMPOUND—1,540 lbs, President Hoover, Yokohama
1,190 lbs, Kurama, Yokohama
CINNAMON QUILLS—5,000 lbs, President Hoover, Ceylon
COCONUTS—3,000 lbs, Hauraki, Papeete
750 lbs, Santa Paula, Mazatlan
COLORS, CERAMIC—270 lbs, Gregalia, Birmingham
COPRA—155,300 lbs, Hauraki, Papeete
304,880 lbs, Kauraki, Suva
288,510 lbs, Hauraki, Rarotonga
DRUGS, ADVANCE—11,140 lbs, Brimanger, Para
CRUDE—32,000 lbs, Noshiro, Yokohama
22,400 lbs, Brimanger, Manaos
EGG YOLK, HEN—22,400 lbs, President Hoover, China
FERTILIZER—110,200 lbs, Ravnaas Vilvordele, Belgium
GLASS, PLATE—33 cs, 61,320 lbs, Ravnaas, Brussels
ROLLED—15 cs, 5,100 lbs, Pacific Ranger, Liverpool
27,460 lbs, Ravnaas, Brussels
SHEET—285 cs, 51,760 lbs, Elbe, Prague
1,024 pkgs, 70,710 lbs, Ravnaas, Brussels
71 cs, 26,350 lbs, Elbe, Breslau
WINDOW—48 cs, 12,530 lbs, Elbe, Prague
4,130 lbs, Ravnaas, Brussels
GUM COPAL—5,600 lbs, Elbe, Antwerp
GYPSUM, CRUDE—7,925,970 lbs, Griffco, San Marcos
INK—40 lbs, Kano, Tokio
980 lbs, Gertrude Maersk, Tokio
IRON OXIDE—1,120 lbs, Gregalla, London
LIME, CHLORINATED—155 pkgs, 30,590 lbs, Elbe, Frankfurt
MARMITE EXTRACT—1,120 lbs, From London
MATCHES, SAFETY—220 lbs, Tatsuta, Kobe
MEDICINAL PREPS—5 lbs, Uyo, Yokohama
3,750 lbs, From Belfast
MUSTARD SEED—19,500 lbs, Tohsei, Tientsin
OIL, COCONUT—4,000 lbs, Silvermaple, Cebu
CODLIVER—10,000 lbs, Abraham Lincoln, Oslo
COTTONSEED—522,570 lbs, Brimanger, Pernambuco
LINSEED—3 lbs, Loch Monar, London
OLIVE—44,900 lbs, President Monroe, Tunis
PARAFFIN—20,000 lbs, From Antwerp
SESAME—90 lbs, Uyo, Yokohama
YLANG YLANG—550 lbs, From Paris
PAPRIKA—2,750 lbs, Loch Monar, Alicante
PEATMOSS — 20,160 lbs, Abraham Lincoln, Malmo
RICE FLOUR—600 lbs, Uyo, Yokohama
SESAME SEED — 9,980 lbs, President Taft, Shanghai
SOAP—4,410 lbs, Abraham Lincoln, Oslo
STARCH, POTATO—500 lbs, Uyo, Yokohama
TANKAGE—112,000 lbs, Hauraki, Dunedin
TOILET PREPS—370 lbs, from London
TUCUM KERNELS — 44,000 lbs, Brimanger, Maranhao
1,605,840 lbs, Brimanger, Parnahyba
VANILLA BEANS — 2,880 lbs, Hauraki, Papeete
VARNISH—5 lbs, Loch Monar, London
WAX, CARNAUBA—6,550 lbs, from Fortaleza
MINERAL—1,440 lbs, from London
OZOKERITE—2,240 lbs, from London
WHITING—119,230 lbs, Canada, Copenhagen

## New Orleans Imports

ACID, CRESYLIC—108 dms, Wm Cooper & Nephews, West Ekonk, Manchester
BAUXITE ORE—2,785 tons, Republic Mining & Mfg Co, Austvangen, Paramaribo
BLUE VITRIOL—184 bbls, United Fruit Co, Syros, Hamburg
BONES—583,600 kilos, Essex Druid, Rosario
CHEMICALS — 180 dms, 50 csks, Advance Solvents & Chemical Co, Boschdijk, Rotterdam
COCONUTS—132 sx, Standard Fruit & S S Co, Cefalu, Ceiba
CREOSOTE—8 bbls, United Fruit Co, Syros, Hamburg
GLASS, WINDOW—343 cs, Boschdijk, Antwerp
4 cs, Syros, Hamburg
IRON OXIDE—25 csks, J A McNulty, West Ekonk, Manchester
MOLASSES—637,013 gls, Commercial Molasses Corp, Kishacoquillas, Sagua la Grande
828,461 gls, Commercial Molasses Corp, Kishacoquillas, Havana
488,748 gls, Commercial Molasses Corp, Gertrude Kellogg, Caibarien
928,054 gls, Commercial Molasses Corp, Gertrude Kellogg, Havana
OCHER—120 sx, 285 bbls, Recca, Marseilles
OIL, CREOSOTE—99 dms, Boschdijk, Rotterdam
GROUND NUT—266,873 kilos, Boschdijk, Rotterdam
LUBRICATING—70 dms, Boschdijk, Antwerp
OLIVE—900 cs, 40 dms, Recca, Marseilles
25 cs, Recca, Genoa
80 cs, Recca, Leghorn
PALM—368 tons, Boomkamp & Co, Kota Pinang, Belawan Deli
PALMKERNEL — 24,805 kilos, Boschdijk, Rotterdam
SESAME—200 dms, Boschdijk, Rotterdam
SOYBEAN—532,699 kilos, Boschdijk, Rotterdam
PEATMOSS—2,894 bls, Premier Peat Moss Corp, Boschdijk, Rotterdam
1,110 bls, Boschdijk, Rotterdam
660 bls, Peat Import Corp, Syros, Bremen
SOAP—10 cs, Recca, Marseilles
TALLOW, EDIBLE—1,029 tcs, Swift & Co, Essex Druid, Buenos Aires
2,307 tcs, Essex Druid, Buenos Aires
TAPIOCA FLOUR—250 sks, H P Winter & Co, Kota Pinang, Sourabaya
250 sks, Chase National Bank, Kota Pinang, Batavia
ZINC OXIDE—25 bbls, Recca, Marseilles

## Norfolk Imports

BLOOD, DRIED—1,000 bgs, 110,237 lbs, The Angeles, Buenos Aires
4,048 bgs, 196 tons, The Angeles, Buenos Aires
BONES—861 bgs, 45,928 lbs, The Angeles, Buenos Aires
BRONZE, COLORS—9 cs, 5 tin bxs, American Express Co, City of Baltimore, Hamburg
FERTILIZER—1,429 bgs, Waukegan, Manchester
GUM, COPAL—194 bskts, Kota Pinang, Macassar
GYPSUM, CRUDE — 3,000 tons, Standard Wholesale Phosphate & Acid Works, Gypsum Prince, Windsor
2,600 tons, Va-Carolina Chemical Corp, Gypsum Prince, Windsor
4,900 tons, Smith Douglas Co, Gypsum Queen, Windsor
HOOF AND HORN MEAL—462 bgs, 95,285 lbs, Liberty, London
MANIOC MEAL — 573 bgs, Chase National Bank, N Y, Kota Pinang, Macassar
MICA, WASTE—586 bgs, 41 tons, Yomachichi, Calcutta
OIL, PALM—1,035 tons, Guaranty Trust Co, N Y, Kota Pinang, Macassar
PEATMOSS—1,500 bls, 118 tons, City of Baltimore, Hamburg
PYRITES, SMALLS—5,701 tons, Baron Blythwood, Huelva
QUEBRACHO EXTRACT—1,450 bgs, 155,708 lbs, International Products Co, The Angeles, Buenos Aires
1,013 bgs, 190,276 lbs, American Tanners, The Angeles, Buenos Aires
1,050 bgs, 115,748 lbs, International Products Co, The Angeles, Buenos Aires
3,623 bgs, 499,635 lbs, Tannin Corp, The Angeles, Buenos Aires
TANKAGE—1,016 bgs, 49 tons, The Angeles, Buenos Aires
TAPIOCA, FLOUR—250 bgs, Guaranty Trust Co, N Y, Kota Pinang, Macassar
276 bgs, Lossiebank, Pasoeroean

## Philadelphia Imports

ACIDS, COTTONSEED OIL—35 bbls, Leos & Ellworth, Artigas, Hull
CRESYLIC—8 dms, John H Faunce, Artigas, Hull
FATTY—150 bbls, Leghorn Trading, Artigas, Hull
NAPHTHENIC—90 dms, A E Stareie & Co Exchange, Constantza
SOYBEAN OIL—93 bbls, Bilderdij, Rotterdam
ASBESTOS FIBER—17,000 bgs, Exchange, Limassol
BAUXITE WASTE—1,000 bgs, F B Vandegrift & Co, Artigas, Leith
BARYTES—400 bgs, Idarwald, Bremen
BEET PULP — 18,358 bls, Mitsubishi Shoji Kaisha, Norne, Kushiro
BONES — 225 bgs, Baugh & Son, West Imboden, Buenos Aires
BONEMEAL—1,088 bgs, Ida, Trieste
BRISTLES—10 cs, V Wagman & Co, Idarwald, Hamburg
CANARY SEED—212 bgs, Arthur G Dunn, West Imboden, Buenos Aires
736 bgs, Nicholson & Brock, West Imboden, Buenos Aires
CASSIA — 500 bls, R T French & Co, Asosan, Hongkong
150 bls, Mellon National Bank, Asosan, Hongkong
CHALK—4,920 tons, Southwark Mfg Co, Maud, London
200 bgs, W J Jones & Co, Artigas, Hamburg
CHEMICALS—550 bgs, Idarwald, Bremen
453 csks, Idarwald, Bremen
16 csks, Fred A Kertess, Idarwald, Hamburg
50 csks, J W Hampton Jr, Idarwald, Hamburg
400 dms, F B Vandegrift & Co, Bilderdijk, Rotterdam
40 csks, Bilderdijk, Rotterdam
140 dms, American Cyanamid & Chemical Co, Bilderdijk, Rotterdam
150 bgs, Advance Solvents & Chem Co, Bilderdijk, Rotterdam
100 csks, Advance Solvents & Chem Co, Bilderdijk, Rotterdam
CHINA CLAY—300,000 kilos, Artigas, Hamburg
100,720 kos, United Clay Mines, Bilderdijk, Rotterdam
CHROME ORE—2,501 tons, 17 cwt, 2 qtrs, E J Lavino, Challenger, Beira
2,000 tons, E J Lavino, Dromore Castle, Beira
6,500 tons, Electrical Metallurgical Co, Anhalt, Pagoumene

CLAY, BOND—110,000 kos, Artigas, Hamburg
FIRE—350,000 kos, Artigas, Hamburg
TILE—50,000 kos, Artigas, Hamburg
FLUORSPAR—600,600 kos, General Chemical Co, Idarwald, Bremen
GAMBIER—340 cs, First National Bank, Maron, Belawan Deli
510 cs, First Boston, International Corp, Maron, Singapore
GLYCERIN—169 dms, E I duPont de Nemours & Co, West Imboden, Buenos Aires
40 dms, J W Hampton, Argosy, Gdynia
40 dms, Challenger, Durban
30 dms, Bilderdijk, Rotterdam
50 dms, Artigas, Hamburg
9 dms, Artigas, Leith
GREASE, LUBRICATING—1 cs, Wm J Jones & Co, Artigas, London
GUM, COPAL—7 bgs, Chase National Bank, Artigas, London
220 bskts, Catz American Corp, Malayan Prince, Macassar
DAMMAR—100 cs, T G Cooper & Co, Malayan Prince, Batavia
LEATHER MEAL—500 bgs, Bilderdijk, Rotterdam
LICORICE ROOT—6,247 bls, Exchange, Izmir
MAGNESITE—17,367 bgs, Harbison & Walker Refactories Co, Ida, Trieste
CLINKERS—48,000 bgs, Mitsubishi, Shoji, Kaisha, Norne, Darien
MENTHOL—30 cs, Vick Chemical Co, Asosan, Kobe
MOLASSES—1,093,608 gls, Cuba Distilling Co, Carrabulle, Santiago
266,000 gls, Cuba Distilling Co, Carrabulle, Bufadero
914,821 gls, Gloxinia, Antilla
652,718 gls, Commercial Molasses Corp, Jenny, Vita
619,041 gls, Commercial Molasses Corp, Jenny, Caibarien
MUSTARD SEED—322 bgs, Arnhold & Co, Kano, Kobe
560 bgs, S L Jones & Co, Kano, Tientsin
303 sks, Artigas, London
148 bgs, R T French Co, Argosy, Copenhagen
MYROBALANS—6,400 pkts, Guaranty Trust Co, City of Pittsburg, Calcutta
8,290 pkts, City of Pittsburg, Calcutta
NAPHTHALENE—800 bgs, Barrett Co, Challenger, Cape Town
235 bgs, John H Faunce & Co, Artigas, Hull
1,875 bgs, J W Hampton Jr & Co, Argosy, Gdynia
NITROLAC—250 bgs, Bilderdijk, Rotterdam
NUTMEGS—15 bgs, Catz American Co, Malayan Prince, Macassar
27 cs, Malayan Prince, Macassar
40 bgs, Malayan Prince, Macassar
OHTENASHI BEANS—2,000 bgs, Mitsui & Co, Asosan, Yokohama
1,000 bgs, Mitsui & Co, Kano, Kobe
2,000 bgs, Kwansai, Tokyo
OIL, CODLIVER—100 dms, W Fischer, Idarwald, Hamburg
135 dms, Solino Chemical Co, Idarwald, Hamburg
100 dms, Allen Forwarding Co, Idarwald, Hamburg
30 dms, Artigas, Helsinki via Hamburg
COTTONSEED—305 tons, 597 lbs, C F Simonins Sons, Kano, Kobe
FUEL—2 dms, Sharpless Specialty Co, Artigas, London
LUBRICATING—2 dms, Sharpless Specialty Co, Artigas, London
SOYBEAN—502,710 kos, Bilderdijk, Rotterdam
TALLOIL—56 bbls, Bessa, Sandaree
PAPRIKA—75 bgs, French Co, Idarwald, Hamburg
100 bgs, R T French Co, Idarwald, Hamburg
PEATMOSS—1,000 bls, Idarwald, Hamburg
150½ bls, Idarwald, Hamburg
620 bls, Premier Peatmoss Corp, Bilderdijk, Rotterdam
400 bls, Peat Import Co, Artigas, Hamburg
PETROLEUM, CRUDE—72,631 bbls, Gulf Oil Corp, Gulfgem, Las Piedras
107,944 bbls, Gulf Oil Corp, Gulfbird, Las Piedras
68,000 bbls, Texas Co, Benedick, Tampico
POTASH BICHROMATE—20 cks, Bank of Manhattan, Idarwald, Hamburg
CARBONATE—15 cks, Artigas, Hamburg
MANURE SALT—273,000 kilos, N V Potash Export Mij, Artigas, Hamburg
MURIATE—630,000 kos, N V Potash Export Mij, Artigas, Hamburg
SULPHATE—200,000 bgs, N V Potash Export Mij, Idarwald, Hamburg
1,000 bgs, N V Potash Export Mij, Artigas, Hamburg
QUEBRACHO EXTRACT—700 bgs, International Products Corp, West Imboden, Buenos Aires
SAGO FLOUR—357 bgs, Maron, Singapore
734 bgs, Guaranty Trust Co, Asosan, Singapore
SARDINE MEAL—23,388 bgs, Mitsubishi Shoji Kaisha, Norne, Yokohama
1,000 bgs, Kano, Yokohama
672 bgs, Kwansai, Kobe
SHELLAC—25 bgs, Grace National Bank, City of Pittsburg, Calcutta
SODA SILICOFLUORIDE—100 bgs, Harshaw Chem Co, Idarwald, Hamburg
SOOT—80 cks, F B Vandegrift & Co, Bilderdijk, Rotterdam
SUMAC LEAVES—200 bls, Ida, Palermo
200 bls, F J Valentine & Co, Ida, Palermo
TANKAGE—275 bgs, National City Bank, Exchange, Piraeus
1,060 bgs, First National Bank, West Imboden, Buenos Aires
1,053 cks, Philadelphia National Bank, West Imboden, Buenos Aires
467 bgs, Philadelphia National Bank, West Imboden, Buenos Aires
723 bgs, Swift & Co, West Imboden, Montevideo
TAPIOCA FLOUR—751 bgs, Catz American Corp, Malayan Prince, Batavia
264 bgs, Bank of New York Trust Co, Malayan Prince, Sourabaya
1,250 bgs, Catz American Corp, Malayan Prince, Cheribon
1,750 bgs, Philadelphia National Bank, Malayan Prince, Cheribon
1,053 bgs, Merchants National Bank, Malayan Prince, Sourabaya
250 bgs, H P Winter & Co, Malayan Prince, Sourabaya
825 bgs, National City Bank, Maron, Sourabaya
1,500 bgs, Maron, Cheribon
500 bgs, Chase National Bank, Maron, Cheribon
500 bgs, Maron, Batavia
495 bgs, National City Bank, Maron, Sourabaya
1,347 bgs, Balfour, Guthrie & Co, Ltd, Maron, Pamanolkar
250 bgs, Guaranty Trust Co, Maron, Batavia
PEARLS—61 bgs, Catz American Corp, Malayan Prince, Cheribon
SEEDS—22 bgs, Catz American Co, Malayan Prince, Cheribon
60 bgs, National City Bank, Maron, Sourabaya
WATTLEBARK—548 bls, Challenger, Mombasa
WAX, VEGETABLE—200 cs, Mitsui & Co, Asosan, Kobe
WITMERITE LUMPS—75 tons, Artigas, Hull

## Portland, Ore., Imports

AGAR AGAR—5 bls, American Commerce Co, China, Kobe
CASSIA—50 bls, McClintock-Stern Co, General Sherman, Hongkong
COPRA MEAL—1,000 sks, General Sherman, Manila
3,000 sks, Hopecrest, Manila
COTTONSEED MEAL — 2,000 sks, Balfour, Guthrie & Co, China, Kobe
2,000 sks, Mitsubishi Trading Co, China, Kobe
500 sks, Balfour, Guthrie & Co, Tohsei, Kobe
1,000 sks, Mitsubishi Trading Co, Tohsei, Kobe
6,000 sks, Mitsubishi Shoji Kaisha, Tohsei, Kobe
GLASS, WINDOW—900 cs, Geo S Bush & Co, Schwaben, Antwerp
GUM CHIPS—210 baskets, H M Newhall & Co, Hopecrest, Macassar
COPAL—68 baskets, Schluter & Co, General Sherman, Manila
DAMMAR—10 cs, H M Newhall & Co, Hopecrest, Batavia
HEMPSEED MEAL—1,000 sks, Balfour, Guthrie & Co, Tohsei, Nagoya
LINSEED MEAL—1,000 sks, Wilbur-Ellis Co, China, Kobe
2,000 sks, Mitsubishi Shoji Kaisha, China, Kobe
5,000 sks, Mitsubishi Trading Co, China, Kobe
2,000 sks, Balfour, Guthrie & Co, Tohsei, Kobe
4,500 sks, Mitsubishi Trading Co, Tohsei, Kobe
OIL, CODLIVER—50 dms, Johnston & Curry, Schwaben, Hamburg
CODLIVER, POULTRY—100 dms, Hogden Centennial Milling Co, Canada, Gothenburg
OLIVE—15 dms, Leme, Genoa
PEANUT—25 cs, General Sherman, Hongkong
POTASH MURIATE — 250 sks, Wilson & George Meyer & Co, Schwaben, Hamburg
SARDINE MEAL—2,000 sks, R J Roesling & Co, China, Yokohama
2,000 sks, M W Park & Co, China, Yokohama
TANKAGE, RENDERED DRY — 1,669 sks, Swift & Co, Hindanger, Buenos Aires
1,855 sks, Swift & Co, Hindanger, Montevideo
TAPIOCA FLOUR—111 sks, American Trust Co, Hopecrest, Sourabaya
SEEDS—88 sks, Hopecrest, Batavia

## San Francisco Imports

AMMONIA SULPHATE — 2,240 sks, Loch Katrine, Rotterdam (for Oakland)
ARGOLS—464 sks, American Cream Tartar Co, President Hayes, Naples
ASPHALT, EMULSIFIED—1 dm, International Bitumen Corp, President Hoover, Manila
BLEACHING POWDER—25 dms, Wilson & George Meyer & Co, Oakland, Hamburg
BONE, CALC—100 sks, Braun-Knecht-Heimann Co, Loch Monar, London
CHALK—125 tons, Balfour, Guthrie & Co, Loch Katrine, London
382,500 kilos, San Pedro, Antwerp
CRUDE—100 tons, S A Winther & Co, Loch Monar, London
CHEMICALS—20 cks, Philipp Bauer Co, Oakland, Hamburg
28 cs, San Pedro, Antwerp
1,000 cns, International Selling Corp, San Pedro, Havre
COCOA BEANS—300 sks, Otis, McAllister & Co, Oakland, Cristobal
200 sks, Vandel Commercial Co, Oakland, Cristobal
250 sks, Oakland, Cristobal
MEAL—1,262 sks, Loch Katrine, Rotterdam (for Oakland)
COCONUT, DESIC—2,174 cs, Balfour, Guthrie & Co, President Hoover, Manila
120 cs, Dodwell & Co, President Hoover, Manila
2,865 cs, Wood & Selick, President Hoover, Manila
4,344 cs, Durkee Famous Foods, President Hoover, Manila
2,601 cs, Philippine Desiccated Coconut Corp, President Hoover, Manila
7,208 cs, Franklin Baker Co, President Hoover, Manila
COPRA—2,326 sks, Admiral Halstead, Guam (for Oakland)
4,263 sks, Admiral Halstead, Guam (for Alameda)
465 tons, Durkee Famous Foods, Michigan, Cebu
1,047 tons, El Dorado Oil Works, Michigan, Cebu (for Oakland)
MEAL—2,000 sks, Michigan, Manila
2,000 sks, National City Bank of Cleveland, Michigan, Manila
5,600 sks, Taylor Milling Co, Michigan, Manila
3,000 sks, Snow Brokerage Co, Michigan, Manila
CORK FLOATS—63 bls, Loch Katrine, London
WASTE—590 bls, Mundet Cork Corp, Loch Monar, Rotterdam
1,672 bls, Mundet Cork Corp, Loch Katrine, Rotterdam
CORKS—190 sks, Mundet Cork Corp, Loch Katrine, Rotterdam
DEXTRIN, POTATO—30 sks, Loch Katrine, Rotterdam
EGG, HEN, WHOLE, DRIED—20 cs, California Poultry Co, President Hoover, Shanghai
YOLK, HEN, DRIED—112 cs, Importers Commission Co, President Hoover, Tientsin
EPSOM SALT—20 cs, American Factors, Loch Monar, London
FERROMANGANESE—100,000 kilos and 375 tons, San Pedro, Antwerp
SILICON—400 tons, San Pedro, Antwerp
GINGER ROOT—198 pkgs, President Hoover, Hongkong
GLASS, WINDOW—110 cs, Progress Glass Co, Oakland, Antwerp
115 cs, Smith Glass Co, Oakland, Antwerp
2,815 cs, San Pedro, Antwerp
300 cs, San Pedro, Antwerp (for Oakland)
GLUE, GELATIN, POWD—44 bbls, Chas M Lee Co, Loch Katrine, Rotterdam
MARINE PITCH—5 dms, 6 crts, L W Ferdinand & Co, Loch Monar, London
GUM, COPAL—66 sks, William H Scheel, President Hoover, Manila
509 sks, Stroock & Wittenburg Corpn, President Hoover, Manila
140 sks, France, Campbell & Darling, President Hoover, Manila
ELEMI—60 cs, Chase National Bank, President Hoover, Manila
HERBS, DRIED—10 bls, Fung Chong, President Hoover, Hongkong
HOPS—2 cs, Bode & Voigt, Oakland, Hamburg
INK—3 cs, Fong Ya Jai, President Hoover, Hongkong
LOOFAHS—10 bls, American Sponge & Chamois Co, President Hoover, Yokohama
MAGARIN, VEGETABLE—1,500 cs, David B Berelson, President Hoover, Manila
MEDICINAL PREPS — 14 cs, Fung Chong, President Hoover, Hongkong
4 cs, Quong Lee, President Hoover, Hongkong
1 cs, Yue Wo, President Hoover, Hongkong
MEDICINAL PREPS—3 cs, Woo Kee Co, President Hoover, Hongkong
60 cs, Sun On Chong Co, President Hoover, Hongkong
25 pkgs, Tin Bow Tong, President Hoover, Hongkong
40 cs, Tin Shew Tong, President Hoover, Hongkong
6 cs, Kwong Yick, President Hoover, Hongkong
2 cs, Kwong Kee Chan, Presidept Hoover, Hongkong
2 cs, Wing Hop Co, President Hoover, Hongkong
4 cs, Chong Sing Co, President Hoover, Hongkong
1 cs, Ti Hang Lung & Co, President Hoover, Hongkong
MILK POWDER—12 bbls, Loch Katrine, Rotterdam
OIL, CHINAWOOD—150 dms, H M Newhall & Co, President Hoover, Shanghai
CORN—84 dms, Loch Monar, Rotterdam
COTTONSEED — 450 tons, Durkee Famous Foods, President Hoover, Shanghai
OLIVE—27 dms, G Granucci & Son, President Hayes, Genoa
PEANUT — 160 cs, Fung Chong, President Hoover, Hongkong
30 cs, Kwong Lee Chong, President Hoover, Hongkong
5 cs, Woo Kee Co, President Hoover, Hongkong
20 cs, Chew Chong Tai, President Hoover, Hongkong
10 cs, Chan Kee, President Hoover, Hongkong
150 cs, Ti Hang Lung & Co, President Hoover, Hongkong
13 cs, How Kee, President Hoover, Hongkong
SOYBEAN—50 dms, San Pedro, Antwerp
TEASEED—100 dms, Bank of California, N A, President Hoover, Hongkong
100 dms, East Asiatic Co, President Hoover, Shanghai
PAPRIKA—125 sks, S H Tyler & Son, Oakland, Hamburg
50 sks, McClintock-Stern Co, Oakland, Hamburg
75 sks, A Schilling & Co, Oakland, Hamburg
PEANUTS, SHELLED—64 sks, Wilbur-Ellis Co, President Hoover, Manila
250 sks, M S Cowen Co, President Hoover, Manila
250 sks, M S Cowen Co, Michigan, Manila
PEATMOSS—800 bls, Peat Import Corp, Oakland, Bremen (for Oakland)
1,600 bls, Peat Import Corp, Oakland, Bremen (for Oakland)
PIMENTO—30 sks, McClintock-Stern Co, Loch Monar, London
POLISH—1 cs, J H Boden Co, Loch Monar, Swansea
BOOT—5 cs, F F G Harper Co, Loch Monar, London
SHOE—3 cs, J H Boden Co, Loch Monar, London
POTASH CARBONATE—15 cks, Loch Monar, Rotterdam
CHLORATE — 250 dms, Uniform Chemical Products, Oakland, Hamburg (for Oakland)
RESIN—20 sks, Oakland, Antwerp
SAND—914,000 kilos, San Pedro, Antwerp (for Oakland)
SOAP—2 cs, White House, San Pedro, Havre
250 cs, Loch Katrine, Rotterdam
SADDLE—20 cs, Hoyt, Shepston & Sciaroni, Loch Monar, London
SODA CYANIDE—430 dms, American Cyanamid & Chemical Corp, Loch Katrine, Rotterdam (for Oakland)
SPIEGELEISEN—200 tons, San Pedro, Antwerp
STARCH — 50 cs, Fung Chong, President Hoover, Hongkong
16 cs, Yue Wo, President Hoover, Hongkong
64 cs, Kwong Yick, President Hoover, Hongkong
20 cs, Kwong Kee Chan, President Hoover, Hongkong
TALLOW — 230 pkgs, Colgate-Palmolive-Peet Corp, President Hoover, Hankow
252 pkgs, East Asiatic Co, President Hoover, Hankow
VAPORITE—20 dms, Loch Monar, London
WATER, MINERAL—182 cs, San Pedro, Havre
WAX, MONTAN—225 bgs, Strohmeyer & Arpe Co, Oakland, Hamburg (for Oakland)

## Seattle Imports

CASSIA—136 bls, Hopecrest, Padang
CHLORATE—384 pkgs, International Selling Corp, Oregon, Havre
COCOA BEANS—25 sks, Oregon, Cristobal
COPRA MEAL—1,000 sks, Hopecrest, Manila
OIL, LUBRICATING—50 dms, Oregon, Antwerp
SIENNA—10 cks, President Wilson, Genoa (transhipped)
SILVERSAND—500 tons, Balfour, Guthrie & Co, Oregon, Antwerp
SOAP, TOILET—4 cs, Frederick & Nelson, Pacific Pioneer, Manchester
SODA NITRATE—6,246 sks, Chilean Nitrate Sales Corp, Condor, Tocopilla
TANKAGE, UNGROUND—8,000 sks, Hindanger, Santos
TAPIOCA FLOUR—8 sks, Hopecrest, Batavia
PEARL—32 sks, Hopecrest, Netherlands East Indies
175 sks, Hopecrest, Cheribon
SEEDS—100 sks, H M Newhall & Co, Hopecrest, Batavia
25 sks, Hopecrest, Cheribon

## Tacoma Imports

CHEMICALS—1,000 sks, African Metals Corpn, Oakland, Antwerp
CORKFLOATS—50 bls, Loch Monar, London
FULLER'S EARTH—250 sks, Balfour, Guthrie & Co, Loch Monar, London
GLYCERIN—50 dms, Loch Katrine, Rotterdam
OIL, CODLIVER, MEDICINAL—20 bbls, Lien & Selvig, Oakland, Hamburg

## Tampa Imports

CASTOR MEAL—26,586 bgs, Floride, Hull
617 bgs, Floride, Antwerp

# Exports from U.S. Ports

## New York Exports

### Clearance Dates

Almena, May 26; Amapala, May 28; American Merchant, May 28; American Shipper, May 21; American Trader, May 21; Ancon, May 4; Antigua, June 2; Avon Bridge, May 6; Black Falcon, May 21; Black Osprey, May 18; Black Tern, May 10; Caledonia, May 28; City of Rayville, May 28; Dordrecht, May 29; Erolstein, May 21; Examelia, May 25; Exchester, May 18; Exeter, May 25; Fairfield City, May 10; Gripsholm, May 28; Guayaquil, May 11; Gypsum Empress, May 28; June 4; Haiti, May 20; Henri Jasper, May 20; Jean Jadot, May 20; Kormic, June 3; Konigstein, May 10; Lafayette, May 24; Nardana, May 22; Martinique, May 28; Paris, May 26; Pipestone County, May 25; President Harding, May 26; Quirigua, May 27; Rex, May 28; Rigel, May 27; Scythia, May 24; Smaragd, May 6; Thurland Castle, May 19; Tokai, May 12

ACETONE—29,191 lbs, Rigel, Buenos Aires; 2,891 lbs, Black Falcon, Rotterdam
ACID, CHROMIC—6,540 lbs, Pipestone County, Havre
DRY—5,000 lbs, Scythia, Liverpool
STEARIC—11,918 lbs, Rigel, Buenos Aires
SUCCINIC — 160 lbs, American Merchant, London
SULPHURIC—(Quirigua) 5,055 lbs, Havana; 10,143 lbs, Panama City
ALUMINA CHLORIDE, ANHYDR—5,882 lbs, Exeter, Marseilles
SULPHATE—12,060 lbs, Quirigua, Havana
AMYLENE DICHLORIDE—5,196 lbs, Pipestone County, Havre
ASPHALT—(City of Rayville) 92,186 lbs, Sydney; 18,180 lbs, Melbourne; (Pipestone County) 11,801 lbs, Havre; 48,447 lbs, Dunkirk; (Henri Jasper) 153,766 lbs, Antwerp; 97,762 lbs, Matadi
LIQUID—11,488 lbs, American Shipper, Manchester
SOLID — 113,347 lbs, American Shipper, Liverpool
BARIUM SULPHATE—4,080 lbs, American Shipper, Manchester
BLUE VITRIOL, MONOHYDRATED—106,000 lbs, Smaragd, Tela
BONE ASH — 36,344 lbs, American Trader, London
BARIUM FLUORIDE — 1,893 lbs, Black Falcon, Rotterdam
CALCIUM PHOSPHATE, TRI — 5,208 lbs, American Merchant, London
CASSIA—677 lbs, Rigel, Buenos Aires
CATALYST—15,605 lbs, Rex, Naples
CHEMICALS—11,830 lbs, American Shipper, Liverpool; 28,258 lbs, American Merchant, London; 51,895 lbs, Scythia, Liverpool; 14,100 lbs, Black Osprey, Rotterdam; 27,360 lbs, Pipestone County, Havre; 61,379 lbs, American Trader, London
CHLORINE, LIQ—7,937 lbs, Guayaquil, Cristobal
CHROME SULPHATE—11,292 lbs, Rigel, Rio de Janeiro
COCONUT MEAL—113,680 lbs, Jean Jadot, Antwerp
COLOR, DRY—3,962 lbs, Pipestone County, Havre
CORN FLOUR—1,010 lbs, Quirigua, Havana
SUGAR—20,350 lbs, American Shipper, Manchester; 24,420 lbs, Erolstein, Antwerp
SYRUP—(Quirigua) 2,331 lbs, Limon; 3,768 lbs, Havana
CUMARIN—612 lbs, Rigel, Buenos Aires
CYANAMID—(Smaragd) 203,600 lbs, Puerto Barrios; 407,200 lbs, Tela
DEXTRIN, CORN—15,664 lbs, Nardana, Auckland; 2,115 lbs, City of Rayville, Melbourne
DICHLORODIFLUOROMETHANE — 646 lbs, Henri Jasper, Antwerp
DRUGS—1,235 lbs, American Merchant, London
DYES—661 lbs, Jean Jadot, Antwerp; 13,172 lbs, Fairfield City, Bombay; 16,139 lbs, Black Osprey, Antwerp; 1,526 lbs, Black Tern, Rotterdam; 8,160 lbs, President Harding, Hamburg
FERRITES—24,686 lbs, Rigel, Buenos Aires
FUEL, ANTI KNOCK—3,456 lbs, Pipestone County, Havre
GASOLINE—(Nardana) 10,945 gls, Wanganui; 7,325 gls, Lyttleton; 300 gls, Pipestone County, Havre
GELATIN — 15,704 lbs, American Merchant, London; 15,309 lbs, American Trader, London
GLASS, WINDOW—2,957 lbs, Quirigua, Havana
GLUCOSE—1,204 lbs, Nardana, Auckland
GLUE, DRY—2,005 lbs, Quirigua, Limon
GLYCERIN—2,572 lbs, Irland, Izmir
GRAPE SUGAR—5,922 lbs, Nardana, Wanganui
GRAPHITE, AMORPH—4,680 lbs, Caledonia, Glasgow; 26,520 lbs, Tokai, Yokohama
GREASE, LUBRICATING — (American Shipper) 20,960 lbs, Liverpool; 18,879 lbs, Manchester; (Thurland Castle) 16,880 lbs, Manila; 38,860 lbs, Shanghai; (City of Rayville) 966 lbs, Brisbane; 60,580 lbs, Sydney; 62,196 lbs, Melbourne; 1,504 lbs, Adelaide; (Examelia) 1,004 lbs, Athens; 26,664 lbs, Piraeus; (Ancon) 4,248 lbs, Amapala; 8,887 lbs, Corinto; (Nardana) 21,292 lbs, Auckland; 2,463 lbs, Wellington; 1,120 lbs, Napier; 9,334 lbs, Dunedin; 80,840 lbs, American Merchant, London; 40,833 lbs, Scythia, Liverpool; 9,130 lbs, Pipestone County, Dunkirk; 10,925 lbs, Lafayette, Havre; (Paris) 348 lbs, St Nazaire; 48,426 lbs, Havre; 605 lbs, Bordeaux; 11,242 lbs, Avon Bridge, Johannesburg; 4,387 lbs, Rex, Genoa; (Guayaquil) 930 lbs, Panama City; 2,800 lbs, Cristobal; 1,325 lbs, Haiti, Port au Prince; (Exeter) 14,115 lbs, Marseilles; 11,880 lbs, Alexandria; 1,920 lbs, Jaffa; 762 lbs, Haifa; (President Harding) 142,690 lbs, Hamburg; 14,611 lbs, Havre; 219 lbs, Gripsholm, Malmo; 10,639 lbs, Caledonia, Glasgow; (Tokai) 8,480 lbs, Yokohama; 24,000 lbs, Osaka, 8,846 lbs, Dairen; 48,645 lbs, Kobe; 47,730 lbs, Konigstein, Antwerp; 882 lbs, Henri Jasper, Antwerp; 69,845 lbs, American Trader, London
INFUSORIAL EARTH—67,200 lbs, American Shipper, Manchester
INSECTICIDE—4,880 lbs, Exchester, Casablanca; 24,115 lbs, 4,620 lbs, Jaffa
AGRICULTURAL—5,600 lbs, Black Osprey, Rotterdam; 64,160 lbs, Gypsum Queen, Windsor
HOUSEHOLD—3,010 lbs, Fairfield City, Karachi; 4,622 lbs, Exeter, Jaffa
IRON OXIDE—2,470 lbs, Jean Jadot, Antwerp; 45,402 lbs, American Shipper, Liverpool
ISOPROPYL ACETATE—12,960 lbs, Black Osprey, Antwerp
KEROSENE—1,500 gls, Martinique, Port Paix
LACQUER—4,966 lbs, Jean Jadot, Antwerp; 3,118 lbs, Pipestone County, Havre
AUTO—3,955 lbs, Pipestone County, Havre
LARD—(American Shipper) 63,113 lbs, Liverpool; 75,393 lbs, Manchester; 21,100 lbs, Havana; (Rex) 19,703 lbs, Genoa; 13,950 lbs, Naples; 10,500 lbs, Amapala, Santiago; 106,785 lbs, President Harding, Hamburg; 6,806 lbs, Erolstein, Antwerp; 20,824 lbs, Konigstein, Antwerp; 87,163 lbs, American Trader, London
LINSEED CAKE — 225,491 lbs, American Shipper, Liverpool; (Black Osprey) 5,059,486 lbs, Antwerp; 788,815 lbs, Rotterdam; 1,131,533 lbs, President Harding, Hamburg; 2,585,324 lbs, Henri Jasper, Antwerp
LUBRICANTS—13,015 lbs, Caledonia, Glasgow
METAL, NAPHTHENATE—2,468 lbs, Scythia, Liverpool
OIL, CASTOR—80 lbs, American Merchant, London
CASTOR, SULPHONATED — 21,587 lbs, Black Osprey, Rotterdam
CLOVE—945 lbs, Rigel, Buenos Aires

OIL, COCONUT—4,829 lbs, Quirigua, Havana
CORN—1,272 lbs, Nardana, Auckland
CYLINDER — 1,275 tons, Dordrecht, Manchester
EDIBLE—1,250 lbs, Quirigua, Limon
ENGINE — 220 tons, Dordrecht, Manchester
ESSENTIAL—1,395 lbs, Rigel, Buenos Aires; 2,301 lbs, American Trader, London
FISH—2,520 lbs, American Merchant, London
FLOTATION—6,600 gls, City of Rayville, Melbourne; 715 gls, Exchester, Casablanca
LAVENDER — 1,000 lbs, Rigel, Buenos Aires
LONG BURNING — 595 tons, Dordrecht, Manchester
LUBRICATING—(Jean Jadot) 2,660 gls, Antwerp; 550 gls, Basle; (Fairfield City) 6,050 gls, Calcutta; 2,750 gls, Bombay; 835 gls, Bombay-Calcutta; (American Shipper) 2,760 gls, Belfast; 27,034 gls, Liverpool; 4,200 gls, Manchester; 7,200 gls, Thurland Castle, Manila; 6,445 gls, Quirigua, Havana; 1,100 tons, Dordrecht, Manchester; (City of Rayville) 34,560 gls, Brisbane; 105,325 gls, Sydney; 43,355 gls, Melbourne; 26,350 gls, Adelaide; (Examelia) 220 gls, Athens; 27,350 gls, Piraeus; 605 gls, Candia; 1,370 gls, Salonica; (Ancon) 4,235 gls, Amapala; 1,760 gls, Corinto; (Nardana) 78,575 gls, Auckland; 53,600 gls, Wanganui; 39,115 gls, Wellington; 9,750 gls, Napier; 14,790 gls, Lyttleton; 68,620 gls, Dunedin; 21,450 gls, Bluff; 9,775 gls, American Merchant, London; 4,762 gls, Scythia, Liverpool; 47,854 gls, Pipestone County, Havre; 48,884 gls, Lafayette, Havre; (Paris) 6,914 gls, Havre; 2,080 gls, Dunkirk; 626 gls, St Nazaire; 50 gls, Bordeaux; 16,200 gls, Rigel, Santos; (Exeter) 24,780 gls, Marseilles; 550 gls, Philippeville; 5,115 gls, Tunis; 8,525 gls, Alexandria; 825 gls, Messina; 3,205 gls, Haifa; 1,810 gls, Beirut; (President Harding) 13,314 gls, Hamburg; 65,016 gls, Havre; 3,470 gls, Irland, Bourgas; 4,840 gls, Gripsholm, Malmo; 15,708 gls, Caledonia, Glasgow; (Exchester) 550 gls, Buenaventura; 2,750 gls, La Libertad; (Tokal) 16,320 gls, Yokohama; 15,510 gls, Osaka; 21,505 gls, Osaka-Kobe; 9,900 gls, Dairen; 18,755 gls, Kobe; 14,353 gls, Konigstein, Antwerp; 3,120 gls, Henri Jasper, Antwerp; 3,410 gls, American Trader, London
MOTOR—695 gls, Black Falcon, Amsterdam
OLEO—21,085 lbs, American Shipper, Liverpool; 59,797 lbs, American Merchant, London; 16,652 lbs, Gripsholm, Gothenburg; 23,550 lbs, Caledonia, Glasgow; 56,961 lbs, Henri Jasper, Antwerp; 59,605 lbs, American Trader, London
PALE—1,395 tons, Dordrecht, Manchester
PINE—1,445 lbs, Black Osprey, Antwerp
SOYBEAN—49,955 lbs, American Trader, London
SPINDLE—375 tons, Dordrecht, Manchester
TRANSFORMER—8,250 gls, Thurland Castle, Shanghai
VALVE—500 tons, Dordrecht, Manchester
PAINT—3,518 lbs, Jean Jadot, Antwerp; 1,620 lbs, Fairfield City, Calcutta; 11,465 lbs, Thurland Castle, Manila; (Quirigua) 4,110 lbs, Limon; 2,561 lbs, Havana; 8,078 lbs, American Merchant, London; 3,388 lbs, Black Osprey, Antwerp; 1,702 lbs, Haiti, Cartagena; (Rigel) 1,607 lbs, Rio Janeiro; 29,184 lbs, Buenos Aires; 2,307 lbs, Konigstein, Antwerp; 5,530 lbs, American Trader, London
PARAFFIN—22,477 lbs, American Shipper, Manchester; 50,480 lbs, City of Rayville, Melbourne; 48,007 lbs, Ancon, Corinto; 82,044 lbs, Rex, Genoa; 10,101 lbs, Guayaquil, Puntarenas; 5,562 lbs, Amapala, Santiago; (Rigel) 86,706 lbs, Santos; 2,230 lbs, Buenos Aires; 2,266 lbs, Exeter, Marseilles; 22,426 lbs, Caledonia, Glasgow
REFINED—53,520 lbs, Guayaquil, Corinto
SCALE—493,622 lbs, American Shipper, Manchester; 48,421 lbs, Konigstein, Antwerp
PECTIN—1,359 lbs, American Merchant, London
PHENYL HYDRAZINE—2,783 lbs, Black Tern, Rotterdam
POTASH, XANTHATE—12,180 lbs, City of Rayville, Brisbane
RESIN—5,030 lbs, American Trader, London
COALTAR—1,361 lbs, Jean Jadot, Antwerp; 1,120 lbs, American Shipper, Liverpool
SYNTHETIC—4,156 lbs, American Shipper, Liverpool; 5,265 lbs, Scythia, Liverpool; 3,116 lbs, American Trader, London
ROSIN—12,884 lbs, City of Rayville, Melbourne; 6,404 lbs, Guayaquil, Panama City
SOAP—3,360 lbs, Quirigua, Limon
SODA ASH—32,600 lbs, Quirigua, Havana; (Black Osprey) 2,680 lbs, Antwerp; 11,720 lbs, Rotterdam
CAUSTIC — 423,515 lbs, Thurland Castle, Shanghai; 72,500 lbs, Quirigua, Havana; 114,720 lbs, Rigel, Buenos Aires; 689,760 lbs, Tokai, Osaka
HYDROSULPHITE—13,610 lbs, Rigel, Buenos Aires
PHOSPHATE, TRI — 2,100 lbs, Quirigua, Havana
SILICATE — (Quirigua) 3,273 lbs, Limon; 3,591 lbs, Havana
SOLVENTS—4,889 lbs, American Merchant, London
STARCH, CORN—7,050 lbs, American Merchant, London; 2,525 lbs, Pipestone County, Dunkirk; 1,196 lbs, Almena, Ciudad; 920 lbs, Haiti, Port Prince; 11,280 lbs, Artigas, Cork; 28,200 lbs, American Trader, London
SULPHUR — 200 tons, Kermic, Donnacona; 2,040 lbs, Martinique, Cape Haiti; 11,175 lbs, Konigstein, Antwerp
FLOTATION—100,000 lbs, Gypsum Empress, Windsor
TALC—22,400 lbs, Scythia, Liverpool
TALLOW—40,700 lbs, Almena, San Pedro
TANNING EXTRACT—14,939 lbs, American Merchant, London; 18,286 lbs, City of Rayville, Brisbane
TRICHLORODIFLUOROMETHANE—3,381 lbs, Black Osprey, Antwerp
TURPENTINE—(Nardana) 4,400 dms, Auckland; 9,815 gls, Wanganui; 6,875 gls, Lyttleton; 2,500 gls Rigel, Buenos Aires
WITCH HAZEL EXTRACT — 749 lbs, Caledonia, Glasgow
XYLOL—2,200 gls, Nardana, Wellington

## Baltimore Exports

### Clearance Dates

Anna Maersk, June 1; Baron Cochrane, May 27; City of Havre, May 27; Chester, May 28; Executive, May 28; Lancaster, May 29; San Vincente, May 26; Satartia, May 26; Ward, May 29

ALKALI BLUE TONER—500 lbs, Anna Maersk, Kobe
ASBESTOS REFUSE—56,000 lbs, City of Havre, Havre
ASPHALT, SOLID—13,499 lbs, City of Havre, Halmstad
BLUE, ULTRAMARINE—300 lbs, San Vincente, Cristobal; 4,125 lbs, Anna Maersk, Yokohama
BRAKE FLUID—108 gals, San Vincente, Cristobal
CEMENT, ROOF—620 lbs, Lancaster, Capetown
CHALK, PRECIP—36,000 lbs, City of Havre, London
ENAMEL FRIT, PORCELAIN—537 lbs, City of Havre, Oslo
EPSOM SALT—11,000 lbs, Anna Maersk, Manila
FRIT METALLIC—3,313 lbs, Satartia, Sao Paula
GREASE, LUBRICATING — (San Vincente) 8,627 lbs, Panama City; 1,250 lbs, Colon; (City of Havre) 1,995 lbs, Paris; 19,462 lbs, Neidergrund; 2,976 lbs, Satartia, Rio Janeiro; 35,590 lbs, Ward, Shanghai; 10,543 lbs, Anna Maersk, Osaka
INSECTICIDE—(San Vincente) 140 lbs, Bogota; 160 lbs, Cartagena; 726 lbs, Barranquilla; 1,089 lbs, Tegucigalpa; 243 lbs, Fort Clayton
POWDERED—500 lbs, City of Havre, Kovno
METHANOL—298,350 lbs, Anna Maersk, Yokohama
OCHER, YELLOW, PASTE—10,000 lbs, San Vincente, Cristobal
OIL, LUBRICATING—1,212 gals, Executive, Marseille; (City of Havre) 707 lbs, London; 2,600 gals, Khoramshahr Iran; 8,140 gals, Hamburg; 578 gals, Ward, Shanghai; 2,650 gals, Anna Maersk, Osaka
TRANSFORMER—7,250 lbs, San Vincente, Cristobal
PAINT—1,000 lbs, San Vincente, Cristobal
PREPARED—5,000 lbs, San Vincente, Cristobal
PAINTERS' SMALT—600 lbs, Ward, Manila
PARAFFIN—75,366 lbs, Ward, Shanghai; 28-345 lbs, Ward, Manila
ROSIN—(Lancaster) 5,000 lbs, Johannesburg; 7,500 lbs, Port Natal
SOAP POWDER—1,000 lbs, City of Havre, London
SODA, BICHROMATE—44,800 lbs, Anna Maersk, Shanghai
SUPERPHOSPHATE—3,200,275 lbs, Chester, Wallaceburg
TURPENTINE—(Lancaster) 7,275 gals, Capetown; 2,300 gals, Port Natal; 500 gals, Lourenco Marques
UMBER PASTE, IN OIL—500 lbs, San Vincente, Cristobal

## Beaumont Exports

### Clearance Dates

El Grillo, June 1; Evina, May 29; Mosli, May 31; West Cohas, May 25

BLACK CARBON — (West Cohas) 28 tons, Avonmouth; 49 tons, Glasgow
PETROLEUM, CRUDE—48,735 bbls, Evina, Danzig; 90,000 bbls, Mosli, Hamburg; 75,000 bbls, El Grillo, Montreal
SOAPSTOCK, COTTONSEED—50 bbls, West Cohas, Avonmouth
SULPHUR—769 bgs, West Cohas, Glasgow

## Boston Exports

### Clearance Dates

American Importer, May 30; Augsburg, May 24; Evangeline, May 26, 29, June 2; Franconia, June 1; Liberty, June 3; Malayan Prince, May 26; President Adams, May 26; Saint John, May 27, June 1; Scythia, May 26

ALUMINA, OXIDE—1 bx, 1 kg, 131 lbs, President Adams, Shanghai; 1,875 bgs, 55 kgs, 206,170 lbs, Liberty, London
SULPHATE—75 bgs, 10,000 lbs, Evangeline, Kentville, N S; 500 bgs, 112,000 lbs, Malayan Prince, Hongkong; 60 bgs, 10,000 lbs, Evangeline, Kentville, N S
AMMONIA—10 cs, 170 lbs, Evangeline, Halifax
BLUE, LAUNDRY—(Evangeline) 2 cs, 120 lbs, Windsor, N S; 1 cs, 60 lbs, Halifax
CELERY SALT—2 kgs, 200 lbs, Evangeline, Halifax
CEMENT, CAN—2 dms, 952 lbs, Augsburg, Vigo
CHEMICALS—4 dms, 400 lbs, American Importer, Manchester
SYNTHETIC—6 pkgs, 782 lbs, Liberty, London
CLEANING COMP—40 cs, 460 lbs, Evangeline, Halifax
DISINFECTANT—5 dms, 265 gls, President Adams, Hongkong
DRESSING, BELT—2 cs, 426 lbs, Franconia, Bombay
LEATHER—1 cs, 62 lbs, Scythia, Leicester; 2 pkgs, 85 lbs, Liberty, London
FINISH, LEATHER—15 bbls, 7,194 lbs, American Importer, Leeds
SHOE—1 cs, 78 lbs, Liberty, Zlin
GLUE, FISH—1 dm, 49 lbs, President Adams, Shanghai
GREASE, LUBRICATING—3 dms, 711 lbs, Franconia, Liverpool
GUM, COPAL—1 bg, 160 lbs, Evangeline, Halifax
INK, INDELIBLE—1 cs, 151 lbs, President Adams, Osaka
PASTE—1 kg, 100 lbs, Saint John, St John, N B
PRINTING—1 cs, 120 lbs, Scythia, Manchester; 1 cs, 40 lbs, President Adams, Manila
SHOE—6 bbls, 2 kgs, 200 gls, President Adams, Manila
WRITING—2 cs, Scythia, Delhi; (President Adams) 1 pkg, Wailuku; 2 cs, Shanghai; 24 pkgs, Manila; 11 pkgs, Hongkong
LARD—50 tres, 20,112 lbs, Scythia, Liverpool
LINING COMP—40 dms, 1,840 lbs, Augsburg, Hamburg; (Liberty) 20 dms, 10,220 lbs, Copenhagen; 100 dms, 4,600 lbs, Odense
LUBRICANT—1 cs, 129 lbs, Scythia, Liverpool
MEDICINAL PREPS—300 bx, 1,500 gls, Liberty, London
OIL, CUTTING — 2 dms, 896 lbs, Scythia, Liverpool
LUBRICATING—4 dms, 218 gls, Evangeline, Yarmouth; 18 pkgs, 5 dms, 275 gls, Saint John, St John, N B; (Scythia) 50 dms, 2,666 gls, Liverpool; 2 bbls, 874 lbs, Wellingborough; 5 bbls, 2,115 lbs, Madras; 2 crtns, 12 gls, Evangeline, Digby; 1 bx, 8 gls, Franconia, Liverpool
STOVE—1 crtn, 30 lbs, Evangeline, Halifax
TANNER'S—3 dms, 245 lbs, Scythia, Wellingborough
PARAFFIN — 145 bgs, 33,386 lbs, Scythia, Liverpool
PASTE, ADHES—12 pkgs, 1,376 lbs, President Adams, Manila; 200 dms, 10,100 lbs, Liberty, London
FLOUR, DRY—10 bbls, 2,850 lbs, Scythia, Liverpool
POLISH, SHOE—(President Adams) 7 crtns, 106 lbs, Honolulu; 6 bxs, 291 lbs, Manila; 5 bxs, 215 lbs, Saint John, Moncton, N B
STOVE—2 crtns, 60 lbs, Evangeline, Halifax; 45 cs, 1,526 lbs, Saint John, St John, N B
RETARDER—15 bgs, 1,200 lbs, Scythia, Newport, Eng
ROSIN, GUM—25 bbls, 500 lbs, Evangeline, Halifax
SOAP, CASTILE—1 bbl, 220 lbs, Evangeline, Yarmouth
SULPHUR, DUSTING—(Evangeline) 1,000 bgs, 100,000 lbs, Kentville, N S; 400 bgs, 40,000 lbs, Berwick, N S
VARNISH, ASPHALT—2 dms, 308 lbs, Saint John, St John, N B
WAX, BEES—2 cs, 684 lbs, American Importer, Birmingham
FLOOR—1 crtn, 1 gl, Evangeline, Digby
SHOE—2 cs, 50 lbs, President Adams, Manila

## Corpus Christi Exports

### Clearance Dates

Jane Maersk, May 24; Laura Corrado, May 17

PETROLEUM, CRUDE — 38,338 bbls, Laura Corrado, Trieste; 86,463 bbls, Jane Maersk, Gothenburg

## Galveston Exports

### Clearance Dates

Boschdijk, May 28; Eglantine, May 27; Elmsport, May 29; Eskdene, June 1; Julianne I, May 28; Syros, May 29; Taurus, June 1

ORE—100 tons, Elmsport, Hamburg
SULPHUR — 4,000 tons, Eglantine, London; 3,750 tons, Julianne I, Campbellton; 1,200 sx, Boschdijk, London; 2,500 tons, Syros, Rotterdam; (Elmsport) 150 tons, Hamburg; 1,800 tons, Harburg; 6,300 tons, Eskdene, Three Rivers; (Taurus) 30 tons, Gothenburg; 20 tons, Gdynia; 90 tons, Copenhagen

## Houston Exports

### Clearance Dates

Abadan, May 28; Boschdyk, May 27; Elmsport, June 1; Ensley City, May 31; Havsten, May 28; Katendrecht, June 1; Marathon, May 29; Maria, June 1; Merula, May 27; Monstella, May 28; John P Pederson, May 31; Petter, May 28; Stelvio, June 1; Taketoyo, May 29; West Hobomac, May 29

BLACK, CARBON—(Boschdyk) 137 tons, London; 79 tons, Antwerp; 8 tons, Leith; 2 tons, Calcutta; 15 tons, Amsterdam; 16 tons, Ghent; 3,000 bgs, Monstella, Genoa; (Taketoyo) 690 cs, 1,310 bgs, Yokohama; 415 cs, 1,050 bgs, Osaka; 1,520 cs, 9,611 bgs, Kobe; 995 cs, 1,500 bgs, Yokohama-Osaka-Kobe; (West Hobomac) 100 cs, 3,000 bgs, Liverpool; 250 cs, 1,500 bgs, Manchester; 20,000 bgs, 150 cs, Liverpool-Manchester; (Elmsport) 1,100 bgs, Bremen; 325 cs, Hamburg; 400 cs, 2,300 bgs, Bremen-Hamburg; (Maria) 500 bgs, Varna; 300 bgs, Bourgas
GASOLINE—8,945 tons, Stelvio, Havre-Antwerp; 7,500 tons, Katendrecht, Havana
GREASE, LUBRICATING—25 ctns, Katendrecht, Havana
LIGNIN LIQUOR—17 bbls, Maria, Trieste
OIL, GAS—9,200 tons, Abadan, Hamburg; 9,500 tons, Havsten, Hamburg
LUBRICATING—(Monstella) 65 bbls, Oran; 65 bbls, Algiers; (Taketoyo) 76 dms, Yokohama; 75 dms, Kobe
PETROLEUM—50 ctns, 50 kgs, Katendrecht, Havana
CRUDE—12,250 tons, Merula, Curacao; 14,000 tons, Petter, Havre; 11,100 tons, Marathon, Montreal; 9,600 tons, John P Pederson, Curacao
POTASH—7,500 bgs, Taketoyo, Yokohama-Osaka-Kobe-Moji
SOAPSTOCK—100 bbls, West Hobomac, Liverpool
SULPHUR—150 tons, Ensley City, Calcutta

## Los Angeles Exports

### Clearance Dates

Argyll, May 23; Batum, May 26; Bokuyon, May 20; Brandanger, May 19; Cedros, May 24; Charcas, May 24; Delftdijk, May 21; Europa, May 26; Hauraki, May 26; Indianan, May 18; Kamikawa, May 24; Kwanto, May 14; Kyokuto, May 28; Laomedon, May 19; Lochgoil, May 20; Pleasantville, May 27; Rochelle, May 24; Saparoea, May 24; Solma, June 1; Tai Yang, May 18; Tatsuta, May 17; Terje Viken, May 29; Tohsei, May 19; Tweedbank, May 23; Vancouver, May 24; Velma, May 26; Zuiyo, May 21

ACID, BORIC—800 bgs, 80,600 lbs, Laomedon, Hongkong; (Lochgoil) 3,000 bgs, 336,000 lbs, Liverpool; 199 bgs, 22,120 lbs, Lisbon; (Delftdijk) 1,000 bgs, 112,000 lbs, London; 2,600 bgs, 291,200 lbs, Glasgow; 200 bgs, 22,400 lbs, Rotterdam
ASPHALT, LIQ—20 dms, 5,560 lbs, Rochelle, Vancouver
BORATE—2,440 bgs, 446,550 lbs, Lochgoil, London; (Delftdijk) 4,570 bgs, 843,500 lbs, London; 100 bgs, 11,300 lbs, Glasgow; 5,830 bgs, 1,097,200 lbs, Europa, London; (Vancouver) 2,080 bgs, 450,700 lbs, Bremen; 12,568 sx, 2,242,650 lbs, Hamburg
BORAX—2,000 bgs, 278,250 lbs, Laomedon, Hongkong; (Bokuyo) 1,440 bgs, 161,280 lbs, Yokohama; 4,600 bgs, 515,200 lbs, Osaka; (Lochgoil) 12,120 bgs, 1,119,860 lbs, Liverpool; 199 bgs, 22,140 lbs, Oporto; 1,450 sx, 145,000 lbs, President Taft, Havana; (Delftdijk) 1,960 bgs, 224,000 lbs, London; 3,920 bgs, 448,000 lbs, Glasgow; 3,320 bgs, 380,800 lbs, Liverpool; 2,498 bgs, 279,780 lbs, Rotterdam; (Kwanto) 1,500 bgs, 167,450 lbs, Osaka; 1,080 bgs, 120,960 lbs, Yokohama; (Tatsuta) 1,440 bgs, 161,280 lbs, Yokohama; 2,000 bgs, 223,250 lbs, Osaka; 800 bgs, 89,000 lbs, Shanghai; 100 sx, 17,800 lbs, Tientsin; (Kamikawa) 2,000 bgs, 224,000 lbs, Isaka; 800 sx, 89,000 lbs, Shanghai; 6,000 bgs, 672,000 lbs, Vancouver, Hamburg
GRANULAR—(Delftdijk) 400 bgs, 44,800 lbs, London; 396 bgs, 44,120 lbs, Oporto
CLAY—6,000 bgs, 336,000 lbs, Brandanger, Campana; 96,320 lbs, President Hayes, Bahrein
DIATOMACEOUS EARTH—22,400 lbs, Delftdijk, Liverpool
GASOLINE—2,000 cs, 40 dms, 20 bbls, 193,670 lbs, Argyll, Santa Rosalia; 77,497 bbls, 29,226,720 lbs, Batum, Vladivostok; 5,695 bbls, 1,486,400 lbs, Fujisan, Japan; 5,890 bbls, 1,537,290 lbs, Kyokuto, Japan
HERBS, DRY—1,310 lbs, Delftdijk, London
INFUSORIAL EARTH—(Delftdijk) 1,344 bgs, 134,400 lbs, Glasgow; 1,138 bgs, 111,640 lbs, London; 2,500 bgs, 250,880 lbs, Louisianan, Ponce; 531 bgs, 55,441 lbs, Vancouver, Antwerp
KEROSENE—20 bbls, 300 cs, 32,620 lbs, Argyll, Santa Rosalia
LARD—18,800 lbs, Indianan, Porto Rico
MOLYBDENUM CONCE—23,400 lbs, Delftdijk, Gothenburg; 22,980 lbs, Vancouver, Gothenburg
OIL, DIESEL—5,277 bbls, 1,646,420 lbs, Tohsei, Osaka; 10,573 bbls, 3,208,780 lbs, Hauraki, Wellington; 52,716 bbls, 16,447,390 lbs, Zuiyo, Tsurumi; 35,762 bbls, 11,157,740 lbs, Terje Viken, Tsurumi; 29,715 bbls, 9,271,080 lbs, Velma, Antofagasta; 3,498 bbls, 1,091,380 lbs, Pleasantville, Shanghai
FUEL—22,901 bbls, 7,626,030 lbs, Argyll, Santa Rosalia; 100 bbls, 36,630 lbs, Cedros, Ensenada; 9,625 bbls, 3,205,130 lbs, Zuiyo, Kawasaki; 9,636 bbls, 3,208,790 lbs, Rochelie, Vancouver; 106,032 bbls, 35,308,-

OIL, FUEL (Continued):—
660 lbs, Terje Viken, Tsurumi; 66,842 bbls, 22,258,390 lbs, Velma, Tocopilla
GAS—83,270 bbls, 25,147,540 lbs, Falkefjell, Balboa; 9,212 bbls, 2,780,020 lbs, Saparoea, Cebu; 52,802 bbls, 15,946,200 lbs, Solma, Curacao
LEMON, DIST—60 lbs, Delftdijk, London
ORANGE—300 lbs, Kwanto, Harbin; 100 lbs, Rochelie, Vancouver
ORANGE, DIST—570 lbs, Delftdijk, London
PAINT—1,350 lbs, Indianan, Mayaguez; 570 lbs, Charcas, Callao
PECTIN, CITROUS—500 lbs, Bokuyo, Yokohama; 5,500 lbs, Delftdijk, London
PETROLEUM, CRUDE—80,221 bbls, 25,028,950 lbs, Fujisan, Japan; 83,755 bbls, 26,131,560 lbs, Kyokuto, Japan
POTASH, MURIATE—(Bokuyou) 5,800 bgs, 1,278,670 lbs, Yokohama; 10,672 bgs, 881,840 lbs
SOAP, LIQ—2,850 lbs, President Hayes, Manila
TOILET—680 lbs, President Hayes, China
SODA, ASH—300 bgs, 60,000 lbs, Laomedon, Hongkong; 65 bbls, 19,500 lbs, President Taft, Havana; 700 bgs, 154,320 lbs, Delftdijk, Amsterdam; 1,000 bgs, 220,460 lbs, Europa, Copenhagen; 100 bgs, 20,000 lbs, Charcas, Quito
SULPHATE—30,870 lbs, Kamikawa, Yokohama
SOLVENTS—45 dms, 16,110 lbs, Brandanger, Buenos Aires; 43 dms, 15,400 lbs, Lochgoil, Lodon; 94 dms, 33,650 lbs, Delftdijk, London
TALC—546 sx, 60,480 lbs, President Taft, Havana; 90 sx, 17,920 lbs, President Hayes, Manila
TOILET PREPS—300 lbs, Tai Yang, Manila; 1,970 lbs, Tweedbank, Manila; 40 bgs, 4,000 lbs, Louisianan, San Juan; 800 lbs, President Hayes, Bombay; 500 lbs, President Hayes, Manila

## Mobile Exports

### Clearance Date

Arnold Maersk, May 29

PINETAR—4 dms, Arnold Maersk, Caripito

## New Orleans Exports

### Clearance Dates

Alberta, May 27; Baja California, April 16, 30; Burgerdijk, May 28; Cedarbank, May 7; Cefalu, May 4; Contessa, April 27; Cripple Creek, May 22; Frankenwald, May 18; Gansfjord, April 28; Gera, May 24; Lysefjord, April 21; Mecklenburg, May 18; Metapan, April 23; Monbaldo, May 20; Morazan, April 29; Mosvold, May 26; Olancho, April 17; Ormes, May 30; Port Antonio, April 14; Santa Marta, April 16; Sinaloa, April 23; Sixaola, April 20, 30; Tivives, April 27

ACID, MURIATIC—40 tons, Gansfjord, Banes
ASPHALT—30 tons, Cripple Creek, London; 342 sx, Frankenwald, Hamburg; 60 tons, Burgerdijk, London; (Cefalu) 372 dms, Antofagasta; 150 dms, Valparaiso; 30 tons, Cripple Creek, London
GRITS—297 sx, Frankenwald, Hamburg
BAKING POWDER—1 ton, Gansfjord, Belize
BLACK, CARBON—48 tons, Cripple Creek, London; (Cedarbank) 853 sx, 475 cs, Sydney; 2,120 sx, 81 cs, Melbourne; 43 cs, 1 sx, Adelaide; (Mecklenburg) 327 cs, 104 sx, Kobe; 325 cs, 300 sx, Yokohama; 24 cs, Metapan, Valparaiso; (Frankenwald) 2,071 sx, 215 cs, Hamburg; 668 sx, Bremen-Hamburg; 10 tons, Burgerdijk, London
MINERAL EARTH—93 cs, Cedarbank, Sydney
BLUE VITRIOL—600 sx, Port Antonio, Tela; 3,400 sx, Gansfjord, Tela
BORAX—6 tons, Morazan, Vera Cruz
CALCIMINE—10 kgs, Cefalu, Buenaventura
CALCIUM ARSENATE — 16 tons, Tivives, Puerto Barrics
CARBIDE—500 dms, Sixaola, Cristobal; 40 dms, Cefalu, Puerto Cabezas
CLAY, GRD—54 tons, Cripple Creek, London; 600 sx, Frankenwald, Hamburg
COTTONSEED SHAVING PULP—(Burgerdijk) 5 tons, Antwerp; 22 tons, Amsterdam
CREOSOTE—(Metapan) 6 dms, Panama; 250 dms, Cartagena
DRUGS—2 tons, Sixaola, Havana
FIRECLAY—12 sx, Contessa, Ceiba; 40 dms, Metapan, Corinto; 28 tons, Sixaola, Havana
FULLER'S EARTH—167 sx, Sixaola, Callao
FUNGICIDE, AGRIC—8 sx, Gera, Wellington
GASOLINE—(Port Antonio) 250 dms, Puerto Barrios; 20 dms, Livingston; 851 dms, Tela; 72 dms, Sinaloa, Bluefields; 91 dms, 50 cs, Baja California, Bluefields; (Olancho) 300 cs, Puerto Cortez; 31 dms, Puerto Castilla; 30 dms, Lysefjord, Puerto Barrios; 2,287 tons, Mosvold, Hamburg; 11 tons, Ormes, Puerto Mexico
GRAPHITE—50 tons, Cripple Creek, London
GREASE, LUBRICATING—4 dms, 5 qtr dms, Santa Marta, Havana; (Metapan) 12 qtr dms, 20 cs, Cartagena; 34 cs, 4 qtr dms, Manta; 4 bbls, 17 cs, Gansfjord, Belize; 10 cs, Olancho, Belize; 5 dms, Cefalu, Ceiba
INFUSORIAL EARTH—448 sks, Cedar Bank, Adelaide
INSECTICIDE—1 ton, Contessa, Puerto Colombia
KEROSENE—35 cs, Contessa, Puerto Cabezas; (Port Antonio) 75 cs, 10 dms, Livingston; 25 dms, 100 cs, Tela; 5 dms, Sinaloa, Bluefields; 200 cs, Santa Marta, Puerto Limon; 61 dms, 60 cs, Baja California, Bluefields; (Metapan) 500 cs, Bocas del Torro; 375 cs, Puerto Limon; 125 dms, Gansfjord, Kingston; (Sixaola) 50 cs, Puerto Barrios; 30 ctns, 26 dms, Puerto Limon; 25 cs, Cefalu, Puerto Cabezas; 150 dms, Lysefjord, Kingston
LARD—550 dms, Port Antonio, Santiago; 630 dms, 900 tins, Santa Marta, Havana; 580 dms, 890 tins, 6 crts, Metapan, Havana; 50 crts, Baja California, Bluefields; 415 tins, 50 dms, Sixaola, Havana
LITHOPONE—25 tons, Contessa, Havana
MEDICINAL PREPS—1 ton, Metapan, Colon
OIL, COTTONSEED—82 cs, Cripple Creek, London; (Mecklenburg) 50 cs, Kobe; 10 cs, 10 dms, Yokohama
CREOSOTE—6 dms, Olancho, Puerto Cortez
FUEL—(Contessa) 325 bbls, Puerto Cabezas; 1,900 bbls, Ceiba; 25 dms, Port Antonio, Livingston; 30 dms, Sinaloa, Bluefields; (Sixaola) 75 dms, Puerto Barrios; 50 dms, Tela; 100 dms, Tivives, Puerto Barrios; (Olancho) 25 dms, Puerto Barrios; 50 dms, Puerto Castilla; 1,500 bbls, Cefalu, Ceiba
LUBRICATING—207 tons, Cripple Creek, London; 4 dms, Contessa, Ceiba; (Monbaldo) 200 bbls, Genoa; 345 bbls, Marseilles; (Cedarbank) 30 dms, Sydney; 10 dms, Melbourne; (Mecklenburg) 160 dms, Kobe; 1,040 dms, Osaka; 567 dms, Yokohama; 8 dms, Santa Marta, Mollendo; (Metapan) 35 dms, Havana; 24 dms, Cartagena; 7 dms, Olancho, Puerto Castilla; (Alberta) 56 tons, Venice; 75 tons, Naples; (Sixaola) 10 dms, Tela; 25 dms, Havana; 534 tons, Burgerdijk, Lon-

OIL, LUBRICATING (Continued):—
don; (Cefalu) 7 dms, Puerto Cabezas; 3 dms, Ceiba
PINE—5 dms, Monbaldo, Genoa; 75 dms, Santa Marta, Chanaral
REFINED—25 cs, Santa Marta, Puerto Limon; 25 cs, Sixaola, Puerto Limon
PAINT—(Contessa) 1 ton, Colon; 1 ton, Buenaventura; (Olancho) 4 dms, Belize; 3 tons, Puerto Barrios; 10 dms, Sixaola, Havana; 18 cs, Cefalu, Buenaventura
PARIS GREEN—10 dms, Morazan, Vera Cruz
PETROLEUM—180 bbls, Frankenwald, Hamburg
CRUDE—11,974 tons, Mosvold, Hamburg
PINETAR—5 dms, Port Antonio, Belize; 40 dms, Cedarbank, Sydney; 5 dms, Santa Marta, Cartagena
PRESERVER, WOOD—5 dms, Port Antonio, Kingston
ROSIN—5 bbls, Port Antonio, Santiago; (Cedarbank) 15 dms, Brisbane; 40 dms, Sydney; 25 dms, Melbourne; (Sixaola) 40 dms, Havana; 50 dms, Puerto Colombia; 7 dms, Arica
GUM—12 bbls, Contessa, Panama; 85 dms, Santa Marta, Buenaventura; 5 dms, Sixaola, Buenaventura
LIQUID—(Cedarbank) 20 dms, Melbourne; 160 dms, Adelaide
SALT—1 ton, Contessa, Ceiba; 22 tons, Port Antonio, Santiago; 22 tons, Santa Marta, Cristobal; 25 tons, Sixaola, Havana; 4 tons, Sinaola, Bluefields; 6 tons, Gansfjord, Santiago
BUTTER—54 sx, Cedarbank, Melbourne
CASING—448 sx, Gera, Auckland
IODIZED—20 cs, Gera, Dunedin
SHEEP CASING—36 sx, Cedarbank, Sydney
TABLE—(Cedarbank) 100 cs, Brisbane; 400 cs, Sydney; 1,000 cs, Melbourne; 200 cs, Adelaide; (Sixaola) 7 tons, Puerto Barrios; 7 tons, Tela; 137 tons, Metapan, Havana; 22 tons, Gansfjord, Belize; 22 tons, Olancho, Belize; 2 tons, Lysefjord, Belize
SCOURING COMP — 2 tons, Port Antonio, Kingston
SOAP—250 ctns, Baja California, Bluefields
SODA, CAUSTIC—65 dms, Lysefjord, Santiago; 65 dms, Cefalu, Havana
NITRATE—20 sx, Sixaola, Cristobal
SOYBEAN MEAL—6 sx, Tivives, Puerto Barrios
TANNING EXTRACT—360 sx, Sixaola, Havana
TITANIUM ORE CONC—675 sx, Frankenwald, Hamburg
TOBACCO EXTRACT—86 bbls, Frankenwald, Bremen
TURPENTINE—8 dms, Port Antonio, Santiago; 20 dms, Monbaldo, Genoa; 13 cs, Cedarbank, Sydney; 5 cs, Santa Marta, Cartagena; 10 cs, 1 dm, Gansfjord, Belize; 50 cs, Sixaola, Talcahuano; (Gera) 20 dms, Auckland; 3 dms, Wellington; 15 dms, Dunedin
GUM—20 cs, Gera, Wellington
WAX—20 tons, Alberta, Trieste
CRUDE SCALE—54 tons, Burgerdijk, London
MINERAL—69 tons, Cripple Creek, London

## Norfolk Exports
### Clearance Dates

Adrastus, May 22; Black Tern, May 24; City of Havre, May 28; City of Norfolk, May 21; Satartia, May 24; Waukegan, May 27

ACETONE, METHYL—87 dms, 38,200 lbs, City of Havre, London
BONE, SCRAP—787 bgs, 41,000 lbs, City of Norfolk, Hamburg
CLAY, GRD—2 bgs, 200 lbs, Waukegan, Glasgow
CLEANING FLUID—9 dms, City of Norfolk, London
DEER TONGUE LEAVES—2 bls, 633 lbs, Black Tern, Rotterdam
FIRECLAY—1,300 bgs, 10,210 lbs, Adrastus, Batavia
HERBS, LOBELIA—8 bls, City of Norfolk, London
INDIGO ROOT—1,953 lbs, City of Norfolk, London
INSECTICIDE, LIQ—1 dm, City of Norfolk, London; 15 cs, 2,070 lbs, Satartia, Buenos Aires
MEDICINAL PREPS—(Waukegan) 10 pkgs, 680 lbs, Dublin; 10 pkgs, 680 lbs, Glasgow; 6 bxs, 1,020 lbs, Adrastus, Singapore
MICA—242 bgs, 24,442 lbs, City of Norfolk, London
GROUND—200 bgs, 22,000 lbs, City of Norfolk, Bremen
PULVERIZED—40 bgs, 4,040 lbs, City of Havre, London; 110 bgs, 11,110 lbs, Black Tern, Antwerp; 100 bgs, 10,100 lbs, City of Norfolk, Hamburg
OIL, CEDARWOOD—7 dms, 3,379 lbs, City of Norfolk, Hamburg
PHENOL—330 dms, 71,940 lbs, Black Tern, Rotterdam
PINE BARK, WHITE—3 bls, City of Norfolk, London
POTASH MURIATE—500 bgs, 110,230 lbs, Black Tern, Rotterdam
TANNING EXTRACT—(City of Norfolk) 40 bbls, 40 bgs, 27,762 lbs, London; 15 bgs, 2,250 lbs, Hamburg; 1,514 bbls, 698,005 lbs, Waukegan, Liverpool; 4 bgs, 600 lbs, Black Tern, Rotterdam
WITCH HAZEL LEAVES—36 bls, 6,419 lbs, City of Havre, Havre

## Philadelphia Exports
### Clearance Dates

Asosan, June 4; Bilderdijk, June 4; Black Eagle, May 26; Black Tern, May 28; Cabedello, May 26; Heroy, June 3; Josefina Thorden, May 29; Kwansai, June 4; Liberty, May 30; Madoera, May 26; Manaar, June 3; Manchester Producer, June 2; Noto, May 28; Pallas, June 2; San Marcos, May 29; Sawokla, May 31; Scanstates, May 26; Toronto City, June 2; Vincent, May 27

ACETATE—73 dms, Liberty, London
ACETONE — 90 pkgs, Manchester Producer, Liverpool
BENZOL — 867,134 gls, Josefina Thorden, Rouen
BLACK, BONE—10 dms, Kwansai Maru, Kobe
CARBON, RETORT—1,255 bgs, Liberty, Hamburg
CEMENT, FIBER—11 dms, Black Tern, Amsterdam; 7 dms, Black Eagle, Antwerp; 7 dms, Cabedello, Sao Paulo
RUBBER—7 dms, Black Tern, Amsterdam; 7 dms, Black Eagle, Antwerp; 5 dms, Cabedello, Sao Paulo
CHEMICALS—72 pkgs, Manchester Producer, Manchester
CLAY—33 dms, Vincent, Havre
CLEANING COMP—37 dms, Vincent, Havre
COCOA CAKE—744 pkgs, Bilderdijk, Amsterdam
COTTON, COLLODION — 200 bbls, Manaar, London
CYANIDE, CRUDE—30 dms, Kwansai Maru, Kobe
DICHLORODIFLUOROMETHANE — 20 cyls, Scanstates, Copenhagen
ETHYL FLUID—15 dms, Vincent, Havre
EXTRACT — 62 pkgs, Bilderdijk, Rotterdam; 30 pkgs, Manchester Producer, Manchester
FERTILIZER—214 bls, Sawokla, Bombay
GASOLINE — 79,926 bbls, Josefina Thorden, Antwerp; 2,000 cs, Cabedello, Paranagua; (Pallas) 35,665 bbls, Bordeaux; 26,118 bbls, Caen or Havre
GREASE, LUBRICATING — (Madoera) 19 dms, Penang; 18 dms, 12 pls, Bangkok; 6 bbls, 3 dms, 4 ¼ dms, Scanstates, Gothenburg; 16 cs, Sawokla, Bombay; 20 cs, Vincent, Havre; 10 bbls, Liberty, Hamburg; 2 pls, Black Tern, Amsterdam; 4 dms, 2 pls, Black Eagle, Antwerp; 3 dms, 1 pl, Cabedello, Sao Paulo; 2 bxs, Kwansai, Kobe; (Bilderdijk) 7 pkgs, Rotterdam; 1 pkg, Amsterdam; 20 dms, Manaar, London; 32 pkgs, Manchester Producer, Liverpool
ILMENITE—200 pkgs, Manchester Producer, Manchester
ISO OCTANE—10 pkgs, Bilderdijk, Amsterdam; 4 cs, Manaar, London
LARD — (Manchester Producer) 112 pkgs, Dublin; 63 pkgs, Manchester
LICORICE MASS—5 cs, Madoera, Cheribon; 5 cs, Scanstates, Gothenburg; 20 cs, Vincent, Havre; 140 cs, Manaar, London; 130 pkgs, Manchester Producer, Liverpool
LIGNIN LIQUOR—65 bbls, Toronto City, Bristol
LINSEED CAKE—640 bgs, Scanstates, Copenhagen; 3,521 bgs, Vincent, Havre or Dunkirk; 1,290 bgs, Manaar, London
MEAL—(Heroy) 2,784 bgs, Trinidad; 850 bgs, British Guiana; 3,425 bgs, Barbados
MANGANESE ORE CONC—650 bgs, Manaar, London
MOTOR FUEL, ANTI KNOCK COMP—513 dms, Manaar, London
OIL, LUBRICATING—(Madoera) 50 dms, Penang; 100 dms, Batavia; 82 dms, 1 bx, Bangkok; 5 pkgs, Samarang; 160 dms, Balik Panan; (Scanstates) 15 dms, Gothenburg; 27 pkgs, Copenhagen; (Sawokla) 65 dms, Bombay; 65 dms, Madras; 9 dms, Pondicher; (Noto) 847 dms, 2 cs, Yokohama; 3,980 dms, 2 bbls, Kobe; 890 dms, Moji; (Vincent) 604 bbls, 1 dm, Havre; 75 bbls, 5 dms, Dunkirk; 50 dms, 17 bbls, 75 ctns, Liberty, Hamburg; 18 dms, 37 cs, San Marcos, Cucuta; 25 dms, Black Tern, Amsterdam; 9 dms, Black Eagle, Antwerp; 3 dms, Cabedello, Sao Paulo; 700 dms, Asosan, Yokohama; (Kwansai) 97 dms, Yokohama; 99 dms, Osaka; 60 dms, Moji; 213 dms, 6 bbls, 1 bx, Kobe; (Bilderdijk) 1,061 bbls, 17 pkgs, Rotterdam; 14 pkgs, Amsterdam; 263 pkgs, 160 dms, 231 bbls, 1 cs, Manaar, London; (Manchester Producer) 251 pkgs, Liverpool; 344 pkgs, Birkenhead; 740 pkgs, Manchester; 11 bbls, Toronto City, Cardiff
NEATSFOOT—8 pkgs, Manchester Producer, Liverpool
PAINT—292 pls, 42 dms, Black Tern, Amsterdam; 140 pls, 37 dms, Black Eagle, Antwerp; 180 pls, 11 dms, Cabedello, Sao Paulo; 2 pkgs, Manchester Producer, Liverpool
GLAZE—1 cs, Cabedello, Sao Paulo
PETROLEUM, CRUDE—1 dm, Vincent, Paris
POLISH—1 cs, Black Tern, Amsterdam
PASTE—1 pl, Black Tern, Amsterdam
RESIN—1 pkg, Bilderdijk, Rotterdam
COALTAR—36 dms, Manaar, London
SYNTHETIC—70 bbls, Manaar, London
RUBBER COMPOUNDING AGENT—20 dms, Scanstates, Gdynia
SAND, FILTER—136 bgs, Scanstates, Gdynia; 80 bgs, Kwansai, Kobe; 300 bgs, Manaar, London
SILICA—200 bgs, Manaar London
SODA, ASH—4 dms, 1 bx, Scanstates, Gothenburg
CYANIDE—2 dms, 1 bx, Scanstates, Gothenburg
SOLDER DROSS—2,080 bgs, 11 cans, Toronto City, Bristol
SYRUP—110 pkgs, Bilderdijk, Rotterdam
TANNING EXTRACT — 40 dms, Kwansai Maru, Kobe
WATERPROOFING MATERIAL—2 dms, Manaar, London
WAX—210 bbls, Liberty, London; 211 pkgs, Manchester Producer, Manchester; 102 bgs, Toronto City, Bristol

## Port Arthur Exports
### Clearance Dates

Alabama, May 26; Allister, May 22; Cordelia, May 25; Derbyline, June 1; Harvester, May 23; Langanger, May 26; Orkanger, May 25; Gustaf E Reuter, May 27; West Cohas, May 21; West Humhaw, May 28

ASPHALT—(Allister) 1 bx, Ciudad Trujillo; 1 dm, 5 cs, Port au Prince; 2 bxs, Kingston; 100 dms, Harvester, Porto Alegre; 500 dms, Langanger, Amsterdam; (West Humhaw) 1 bx, Accra; 10 dms, Takoradi; 1 bx, Port Bouet
PETROLEUM—(West Cohas) 161 bbls, Belfast; 161 bbls, 106 dms, Glasgow; 642 bbls, Dublin; 421 bbls, 2,712 dms, Avonmouth
CLEANING COMP—400 cs, Harvester, Porto Alegre; 50 dms, Orkanger, Malmo
DRESSING—1 dm, Allister, Ciudad Trujillo
GASOLINE—(Allister) 1,857 bbls, Cristobal; 470 dms, 100 bbls, Puerto Limon; 525 dms, Puerto Barrios; 800 dms, 500 bbls, Puerto Columbia; 25 cs, Ciudad Trujillo; 150 bbls, San Pedro de Macoris; 50 cs, St Marc; 50 cs, 750 bbls, Port au Prince; (Harvester) 9,472 bbls, Rio de Janeiro; 15,758 bbls, Montevideo; 9,747 bbls, Porto Alegre; 75,398 bbls, Orkanger, Stockholm; (Langanger) 43,592 bbls, Dublin; 43,565 bbls, 10 dms, Amsterdam; (West Humhaw) 2,800 cs, Accra; 2,750 cs, Takoradi; 200 cs, Calabar; 200 cs, Sapele; 1,700 cs, Kota; 2,000 cs, Port Bouet; 2,000 cs, Lagos; 300 cs, Freetown; 1,500 cs, Cape Coast; 1,000 cs, Victoria; 1,700 cs, Cotonou; 2,000 cs, Conakry; 2,100 cs, Duala; 2,000 cs, Sassandra; 700 cs, Assinie; 1,250 cs, Monrovia; 3,000 cs, Grand Basam; 2,500 cs, Kribi; 2,500 cs, Winnebah; 2,500 cs, Salt Pond; 1,000 cs, Bathurst; 2,500 cs, 700 dms, Dakar; 14,882 bbls, Cordelia, Montreal
GREASE, LUBRICATING—(Allister) 4 dms, Puerto Limon; 85 dms, 4 cs, Puerto Columbia; 1 dm, Azua; 30 dms, 25 cs, Ciudad Trujillo; 5 dms, San Pedro de Macoris; 5 cs, Aux Cayes; 11 dms, 15 cs, Port au Prince; 35 dms, 41 cs, Kingston; 14 bbls, 121 cs, Harvester, Porto Alegre; (Orkanger) 170 dms, Stockholm; 131 dms, 144 cs, Malmo; 152 dms, 142 cs, Gothenburg; 45 bbls, Danganger, Dublin; (West Humhaw) 298 bbls, Santa Cruz de Tenerife; 5 dms, Accra; 45 dms, Takoradi; 10 dms, 65 cs, Lagos; 28 cs, 22 dms, Freetown; 50 cs, Cotonou; 10 dms, 100 cs, Duala; 20 cs, Assinie; 6 dms, 4 cs, Bathurst; 40 dms, 110 cs, Dakar
KEROSENE—(Allister) 400 cs, Puerto Limon; 1,200 cs, Azua; 3,100 cs, Ciudad Trujillo; 1,059 cs, La Romana; 1,000 cs, San Pedro de Macoris; 500 cs, St Marc; 150 bbls, Aux Cayes; 700 cs, Gonaives; 1,000 cs, Port au Prince; (Harvester) 12,559 bbls, 500 cs, Montevideo; 3,000 bbls, Porto Alegre; (Orkanger) 15,871 bbls, Stockholm; 40 dms, Gothenburg; (Langanger) 5,403 bbls, Dublin; 5 dms, 21,176 bbls, Amsterdam; (West Humhaw) 3,100 cs, Accra; 3,500 cs, Takoradi; 3,800 cs, Calabar; 1,000 cs, Sapele; 300 cs, Kota; 3,300 cs, Port Bouet; 4,300 cs, Lagos; 3,700 cs, Freetown; 1,050 cs, Cape Coast; 900 cs, Victoria; 1,000 cs, Cotonou; 500 cs, Conakry; 600 cs, Duala; 1,300 cs, Assinie; 1,000 cs, Monrovia; 500 cs, Kribi; 1,100 cs, Winnebah; 1,100 cs, Salt Pond; 1,000 cs, Bathurst; 1,348 cs, Dakar
OIL, DIESEL—25 bbls, Allister, San Pedro de Macoris; (Harvester) 4,003 bbls, Rio de Janeiro; 1,799 bbls, Porto Allegre; 3,190 bbls, Orkanger, Stockholm; 2,549 bbls, Langanger, Dublin; (West Humhaw) 100 dms, Keta; 100 dms, Port Bouet; 200 dms, Lagos; 300 dms, Freetown; 20 dms, Cape Coast; 100 dms, Assinie; 80 dms, Winnebah; 30 dms, Salt Pond
FUEL—24,018 bbls, Alabama, San Juan; 40,564 bbls, Derbyline, Matanzas
LUBRICATING—(Allister) 6 dms, Puerto Limon; 264 dms, Puerto Columbia; 2 cs, Aux Cayes; 38 dms, 6 cs, Cuidad Trujillo; 5 dms, La Romana; 20 dms, San Pedro de Macoris; 30 dms, 8 cs, Port au Prince; 45 dms, 180 cs, Kingston; (Harvester) 150 dms, 8,800 bbls, Rio de Janeiro; 85 cs, Porto Allegre; (Orkanger) 347 dms, Stockholm; 122 dms, 122 cs, Malmo; 535 dms, 261 cs, Gothenburg; (Langanger) 65 dms, 10 bbls, Dublin; 190 dms, Amsterdam; (West Humhaw) 10,522 dms, Santa Cruz de Tenerife; 33 cs, 85 dms, Takoradi; 30 dms, Keta; 45 dms, 120 cs, Port Bouet; 20 dms, 43 cs, Lagos; 12 dms, 13 cs, Freetown; 30 dms, Cape Coast; 30 dms, 10 cs, Victoria; 10 dms, Cotonou; 15 dms, 80 cs, Duala; 20 dms, Assinie; 30 dms, Winnebah; 45 dms, Salt Pond; 120 dms, 25 bbls, 305 cs, Dakar; 2 cs, Allister, Aux Cayes
PAINT, PREPARED—2 dms, Allister, Port au Prince
PETROLEUM, CRUDE—75,818 bbls, Cordelia, Montreal; 69,907 bbls, Gustaf E Reuter, Rotterdam
SOLVENT, PAINT—(Allister) 4 dms, 8 cs, Puerto Limon; 5 bbls, Kingston
WAX—31 bgs, Allister, Port au Prince; 9,586 bgs, West Humhaw, Santa Cruz de Teneriffe
DRESSING—5 dms, Orkanger, Gothenburg

## San Francisco Exports
### Clearance Dates

Chiriqui, May 28; Golden Hind, May 22; H T Harper, May 22; Monterey, May 24; President Hayes, May 24; Rochelle, May 28; Santa Paula, May 28; Tweedbank, May 25; Vancouver, May 22; Waiotapu, May 29.

ACETATE—(Waiotapu) 10 dms, Christchurch; 13 dms, Wellington
ACETONE—62 dms, Vancouver, Stockholm; 129 dms, Waiotapu, Sydney; 1 cs, Waiotapu, Wellington
ACID, BORIC—20 sks, Monterey, Australia; 2 sks, Santa Paula, Santa Ana
FATTY—200 sks, Vancouver, Guayaquil
NITRIC—2 cs, Santa Paula, Mazatlan
ALCOHOL, DEN—1 cs, President Hayes, Bahrein
AMMONIA—2 cs, President Hayes, Bahrein; 1 cs, Santa Paula, Mazatlan
APRICOT KERNEL PULP—728 sks, Rochelle, James Island
ASPHALT—(Golden Hind) 1,013 dms, Hongkong; 1,015 dms, Siagon; (President Hayes) 1,505 bbls, Singapore; 3 kgs, Bahrein; 50 dms, Hongkong; 946 dms, Kobe; 50 dms, Madras; 20 bbls, Manila; 217 dms, Monterey, Australia; (Waiotapu) 35 sks, 365 dms, Wellington; 455 dms, Auckland; 95 dms, Sydney
GRITS—684 sks, Vancouver, Hamburg; 10 sks, Wellington, Wellington
BENZOL—2 cs, President Hayes, Bahrein
BENZOLENE—(Waiotapu) 45 dms, Sydney; 15 dms, Wellington
BLACK CARBON—33 cs, Monterey, Australia
LAMP—20 cs, Monterey, Australia
BONEMEAL—600 sks, Rochelle, Vancouver
BORAX—80 cks, Monterey, Australia
CALCIUM PHOSPHATE—20 bbls, Golden Hind, Kobe
TRIBASIC—(Waiotapu) 3 sks, Wellington; 66 sks, Melbourne
CASCARA BARK—180 sks, Monterey, Australia
CEMENT, FLOOR-COVERING—7 pls, 2 cs, President Hayes, Bahrein
LIQUID—3 cs, Rochelle, Vancouver; 10 dms, Waiotapu, Sydney; 29 dms, Monterey, Australia
ROOF—4 cs, President Hayes, Singapore; 1 dm, 3 cs, Monterey, New Zealand
RUBBER—1 cs, Monterey, British Samoa
TIN—15 dms, 2 cans, Rochelle, Vancouver
CHEMICALS—(President Hayes), 1 cs, Hankow; 5 cs, Bangkok; 2 cs, Bahrein; (Waiotapu) 2 cs, Sydney; 1 cs, Auckland; 1 cs, Wellington
CHLORINE BLEACH, LIQ—60 cs, Chiriqui, Puerto Armuelles
CHLORINE, LIQ—35 cyls, Tweedbank, Philippine Islands
CINNAMON—(Santa Paul) 1 bl, Acajutla; 13 bls, San Jose de Guatemala
CLAY, GRD—500 sks, Waiotapu, Hawthorne
CLEANING COMP—10 cs, H T Harper, Vancouver; 1 cs, Monterey, Fiji Islands; 100 cs, Rochalie, Shellburn; 2 cs, Waiotapu, Wellington
COCOA BEANS—250 sks, Waiotapu, Sydney
COLLODION—10 cs, Tweedbank, China; 1 cs, Waiotapu, Wellington
COLOR, CADMIUM—4 kgs, Vancouver, Zurich
DRY—(Monterey) 1 cs, Australia; 2 cs, New Zealand; 42 kgs, President Hayes, Manila
CREAM TARTAR—2 kgs, Santa Paula, Santa Ana
DENTIFRICE—(President Hayes) 23 cs, Singapore; 35 cs, Manila
DRESSING, AUTO-TOP—3 cs, H T Harper, Vancouver
DYES—1 cs, Rochelle, Vancouver
ENAMEL—50 kgs, President Hayes; Bahrein; 2 cs, Santa Paula, La Libertad; (Waiotapu) 24 cs, Auckland; 23 cs, Christchurch; 109 cs, Wellington
EUCALYPTOL—1 cs, Waiotapu, Wellington
FIRECLAY—8 dms, Monterey, Australia; 1 dm, Santa Paula, Mazatlan
FLUX, CRYSTAL—2 dms, President Hayes; Hongkong
GASOLINE—30 dms, H T Harper, Vancouver
GINGER ROOT—(Waiotapu) 114 sks, Sydney; 84 sks, Brisbane; 177 sks, Melbourne
GLUE, DRY—1 cs, President Hayes, Poona City
GLYCERIN—1 cs, President Hayes, Bahrein; 4 cs, 5 kgs, 1 crby, Santa Paula, Mazatlan
GRAPHITE—(Waiotapu) 1 bbl, Wellington; 1 bbl, Auckland
DRY—5 bbls, 4 kgs, Rochelle, Vancouver
PASTE—1 dm, Monterey, Australia
GREASE—4 dms, 213 cs, H T Harper, Vancouver; (President Hayes) 66 bbls, Singapore; 2 bbls, Hongkong; 8 cs, A1 Khobar; 495 dms, Monterey, Australia; (Rochelle) 97 dms, 259 pls, 276 cs, Shellburn; 21 cs, 26 dms, 44 pls, Vancouver; (Waiotapu) 5 dms, Melbourne; 200 dms, Sydney; 25 dms, Wellington; 15 bbls, Santa Paula, Acajutla
GUM, TRAGACANTH—1 cs, Waiotapu, Wellington
HYDROGEN, PEROXIDE—(Waiotapu) 84 cs, Auckland; 80 cs, Wellington
INK—1 cs, Monterey, Australia
INK, PRINTING—(President Hayes) 2 dms, Poona City; 3 cs, 16 kits, Manila; 4 cs, Bombay; 4 dms, Monterey, Australia; 1 cs, Rochelle, James Island; 20 pls, 2 dms, 1 cs, Rochelle, Vancouver
INSECTICIDE—23 bbls, Monterey, Australia; 2 cs, Santa Paula, La Libertad
LIQUID—6 cs, H T Harper, Vancouver; 100 cs, Rochelle, Shellburn
KEROSENE—200 dms, Golden Hind, Manila; 10 dms, Rochelle, Shellburn; 300 cs, Chiriqui, Puerto Armuelles; 300 dms, Waiotapu, Sydney
LACQUER—10 cs, Tweedbank, China; 2 cs, Santa Paula, La Libertad; (Waiotapu) 57 cs, 3 pls, Auckland; 76 cs, 35 pls, Christchurch; 71 cs, 64 pls, Wellington
THINNER—12 pls, Tweedbank, China
LARD—1,500 tins, Santa Paula, Panama City
LEAK PREP—2 cs, Santa Paula, San Jose de Guatemala
LEAD, WHITE—1 cs, President Hayes, Bahrein
LITHARGE, DRY—A quantity, Santa Paula, Mazatlan
LIGHTER FLUID—8 cs, H T Harper, Vancouver
LIME HYDRATED—20 sks, President Hayes, Bahrein; 400 sks, Monterey, Australia
LITHOPONE—240 sks, Monterey, Australia
MANGANESE DIOXIDE—2 bbls, Tweedbank, Philippine Islands
MEDICINAL PREPS—1 cs, President Hayes, Manila; (Monterey), 1 cs, New Zealand; 23 cs, 1 bbl, Australia
MENTHOL—2 cs, Waiotapu, Wellington
METHYL ETHYL KETONE—65 dms, Golden Hind, Osaka
MINERAL SPTS—5 cs, 8 dms, President Hayes, Bahrein; (Waiotapu) 600 dms, Auckland; 75 dms, Sydney; 50 dms, Wellington
NITROCELLULOSE—2 dms, Rochelle, Victoria
OIL—4 cs, Tweedbank, Philippine Islands
COCONUT—12 bbls, Monterey, New Zealand; (Santa Paula) 5 dms, Guatemala; 10 dms, San Jose de Guatemala; 1 dm, Rochelle, Vancouver
CYLINDER—2 bbls, Rochelle, Vancouver
DIESEL—13,418 bbls, Tweedbank, Shanghai; 1,807 bbls, Waiotapu, Auckland
JUNIPER—1 cs, Waiotapu, Wellington
LINSEED—1 dm, Monterey, Australia
LINSEED, BOILED—1 dm, President Hayes, Bahrein
LUBRICATING—(Golden Hind), 250 dms, Hongkong; 55 dms, Saigon; 300 dms, Manila; 348 dms, 32 cs, H T Harper, Vancouver; (President Hayes) 245 dms, Bombay; 116 dms, Singapore; 80 dms, 1 cs, Hongkong; 155 dms, Bahrein; 15 dms, Shanghai; 160 dms, Takao; 375 dms, Manila; 500 dms, Kobe; 1,972 dms, Monterey, Australia; 3,519 dms, Tweedbank, Shanghai; 7 dms, Santa Paula, San Jose de Guatemala; (Rochelle) 157 dms, 45 cs, Shellburn; 2 cs, Rochelle, Vancouver; 20 dms, Chiriqui, Kingston; (Waiotapu) 40 cs, Samarai; 290 dms, 300 cs, Auckland; 635 dms, Melbourne; 835 dms, Sydney; 217 dms, Brisbane; 300 dms, 200 cs, Wellington
NEATSFOOT—1 cs, President Hayes, Al Khobar
OLEO—5 bbls, President Hayes, Manila
PINE—1 dm, Rochelle, Vancouver
SARDINE, FILTERED—53 dms, President Hayes, Bahrein
OLEOMARGARIN—4 cs, President Hayes, Hongkong
PAINT—(President Hayes) 29 cs, 4 dms, Singapore; 12 cs, 20 pls, Manila; 19 cs, 6 pls, Colombo; 68 cs, 55 pls, 1 dm, Madras; 15 kgs, 52 dms, Bahrein; (Monterey) 3 cs, New Zealand; 2 cs, Australia; 5 bbls, 70 cs, Tweedbank, Philippine Islands; (Santa Paula) 20 pls, 158 cs, Panama; 214 cs, San Jose de Guatemala; 2 kgs, 11 cs, La Libertad; 4 kgs, Mazatlan; 4 cs, Chiriqui, Bogota; (Waiotapu) 1 cs, Wellington; 1 cs, Auckland
ALUMINUM—20 cs, President Hayes, Manila
COLD-WATER—12 cs, Santa Paula, La Libertad
COMPOUND—3 kgs, Waiotapu, Sydney
LIQUID—6 cs, 36 kgs, President Hayes, Bahrein
MARINE—1 cs, Waiotapu, Wellington
PASTE—3 cs, Santa Paula, La Libertad
PREPARED—5 cs, President Hayes, Al Khobar; 15 cs, Waiotapu, Auckland
THINNER—5 cs, Monterey, Australia; 2 cs, Santa Paula, La Libertad; (Waiotapu) 6 dms, 1 cs, Auckland; 13 dms, 5 cs, Christchurch; 17 dms, Wellington
PARAFFIN—2 bls, Monterey, Australia; 1 sk, Santa Paula, Acajutla
PASTE, ADHESIVE—30 pls, Monterey, Australia
TIN—25 pls, Monterey, New Zealand
PEPPER, BLACK—4 sks, Santa Paula, San Jose de Guatemala
PEPPERMINT—1 cs, Waiotapu, Wellington
PETROLATUM—23 dms, Monterey, Australia
PETROLEUM—1 cs, Golden Hind, Hongkong; 33 dms, 6 cs, H T Harper, Vancouver; 800 dms, President Hayes, Kobe; 95 bbls, Monterey, Australia; (Waiotapu) 42 dms, Auckland; 1,800 dms, 1 cs, Melbourne; 1 cs, 1,100 dms, Sydney; 100 dms, 230 cs, Wellington
GAS, LIQ—39 cyls, President Hayes, Bahrein
PIMENTO—80 sks, Monterey, Australia; 62 sks, Waiotapu, Sydney
PITCH—2 bbls, Santa Paula, Mazatlan
PLUMBAGO—(Waiotapu) 3 bbls, Wellington; 4 bbls, Auckland
POLISH—4 bbls, 16 pls, Monterey, Australia; (Waiotapu) 3 cs, Auckland; 3 cs, Christchurch
AUTO—1 cs, President Hayes, Penang; 1 cs, Monterey, Australia
FURNITURE—7 cs, H T Harper, Vancouver; 1 cs, Monterey, Fiji Islands; 125 cs, Rochelle, Shellburn
POLISHING COMP—6 cs, 25 dms, 1 bbl, Waiotapu, Wellington
POTASH CYANIDE—1 cs, President Hayes, Al Khobar
DRY—1 cs, Monterey, Australia
ETHYLXANTHATE—8 dms, President Hayes, Hongkong
PERMANGANATE—2 dms, Tweedbank, Philippine Islands
XANTHATE—25 dms, Chiriqui, Coquimbo
PUTTY—11 cs, Santa Paula, San Jose de Guatemala; (Waiotapu) 2 pls, Auckland; 6 pls, Christchurch; 4 pls, Wellington
QUEBRACHO EXTRACT—(Monterey) 200 sks, Australia; 260 sks, New Zealand
RESIN—10 dms, Rochelle, Victoria
SYNTHETIC—8 dms, President Hayes, Shanghai
ROSIN—2 bbls, Monterey, Australia; 1 bbl, Waiotapu, Wellington
GUM—30 bbls, Waiotapu, Wellington
LIQUID—25 dms, Monterey, Australia
WOOD—25 dms, Waiotapu, Wellington
RUBBER LINING COMP—2 dms, Monterey, New Zealand
SACCHARIN—1 cs, Waiotapu, Wellington
SALT—1,000 lbs, President Hayes, Port Swettenham; 3,200 cs, Monterey, Australia; 30 cs, Tweedbank, Philippine Islands
IRON—600 cs, Waiotapu, Wellington
SARSAPARILLA ROOT—3 bls, Monterey

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SOAP—1 cs, Santa Paula, La Libertad
LAUNDRY—(President Hayes), 60 cs, Rangoon; 50 cs, Shanghai
LIQUID—1 cs, Monterey, Fiji Islands
SADDLE—1 cs, Santa Paula, Ibaque
TOILET—1,500 cs, President Hayes, Shanghai
SODA—(President Hayes), 10 cs, Singapore; 10 bbls, 1 cs, Shanghai
BENZOATE—1 cs, Waiotapu, Wellington
CAUSTIC—1 cs, Santa Paula, Santa Ana
ETHYL XANTHATE—1 cs, Waiotapu, Wellington
MONOMETAPHOSPHATE—35 sks, Waiotapu, Wellington
PHOSPHATE, TRI—1 cs, Waiotapu, Wellington
SILICATE, DRY—30 dms, Monterey, New Zealand
SOLVENT—4 dms, Santa Paula, Chanaral; 207 dms, Waiotapu, Melbourne
SULPHUR FLOWERS—68 sks, Monterey, Australia; 15 sks, Santa Paula, Santa Ana
REFINED—245 sks, Monterey, Australia; 67 sks, Santa Paula, Mazatlan
ROLL—15 sks, Santa Paula, La Libertad
SUPERPHOSPHATE—15 bbls, Tweedbank, Philippine Islands
TALLOW—(Santa Paula) 97 dms, Havana; 5 dms, San Jose de Guatemala
INEDIBLE—(Santa Paula) 125 dms, Havana; 100 dms, San Jose de Guatemala
TANBARK EXTRACT—40 sks, Rochelle, Vancouver
GROUND—42 sks, Rochelle, Vancouver
TANNING EXTRACT—2 bbls, Rochelle, Vancouver
TAPIOCA—1 sk, Santa Paula, San Jose de Guatemala; 15 sks, Rochelle, Vancouver
FLOUR—2 sks, Santa Paula, Santa Ana
TAR, COAL—2 dms, Santa Paula, Mazatlan
TOILET PREPS—(President Hayes) 4 cs, Singapore; 70 cs, Manila; 5 cs, Monterey, New Zealand; 143 cs, Tweedbank, Philippine Islands; 1 cs, Santa Paula, Havana
TREE WASH—80 cs, Monterey, Australia
TURPENTINE—(Waiotapu) 12 dms, 25 cs, Auckland; 9 dms, Wellington
GUM SPIRITS—101 cs, Waiotapu, Wellington
VANILLA BEANS—12 cs, Rochelle, Vancouver
VARNISH—2 cs, President Hayes; Bahrein; (Santa Paula) 2 cs, San Jose de Guatemala; 2 cs, La Libertad
VERMIN EXTERMINATOR—5 cs, Monterey, New Zealand
WAX—29 cs, H T Harper, Vancouver; 2,400 sks, Santa Paula, Buenaventura
PASTE—2 cs, President Hayes, Bahrein
WOOD PRESERVER—2 cs, Santa Paula, San Jose de Guatemala
ZINC DUST—120 dms, Tweedbank, Philippine Islands; (Santa Paula) 35 cs, Ciudad Bolivar; 226 cs, 25 dms, Mazatlan

## Savannah Exports
### Clearance Dates

Collingsworth, May 28; Marchen Maersk, June 5; Monbalco, May 26; Pyrrhus, May 25; Silverwalnut, May 27; Tureby, May 31

CLAY—110 bgs, Monbalco, Trieste; (Tureby) 770 bgs, Hamburg; 1,200 bgs, Hull
ROSIN, GUM—60 bbls, Silverwalnut, Manila; (Marchen Maersk) 2,650 bbls, Yokohama; 400 dms, Kobe; 2,000 lbs, Osaka; (Tureby) 330 bbls, Hamburg; 100 bbls, Czechoslovakia; 30 bbls, Bourgas; 50 bbls, Reval; 250 bbls, Raumo; 200 bbls, Praha; 200 bbls, Bodenback; 481 bbls, Monbalco, Genoa; (Collingsworth) 1,050 dms, Rio Janeiro; 30 dms, Rio Grande do Sul; 188 bbls, 75 dms, Santos; 600 bbls, 320 dms, Buenos Aires; (Pyrrhus) 1,710 bbls, Manila; 30 bbls, Tientsin
WOOD—(Pyrrhus) 125 bbls, Manila; 100 bbls, Shanghai; 25 dms, Silverwalnut, Manila
TURPENTINE, GUM—40 dms, Collingsworth, Buenos Aires; (Marchen Maersk) 350 cs, Yokohama; 100 dms, Osaka; 60 cs, Shanghai; (Tureby) 420 bbls, London; 500 bbls, Hamburg; 25 bbls, Praha
SPIRITS—50 cs, Collingsworth, Rio Grande do Sul
WOOD—95 dms, 7 cs, Silverwalnut, Manila

## Tampa Exports
### Clearance Dates

Cuba, May 26; Fernbank, May 27; Livenza, May 29; Maria, May 25; Mount Helikon, May 26; West Ekonk, May 28

GLASS, PLATE MIRRORS—2, Cuba, Havana
PHOSPHATE — 7,735 tons, Mount Helikon, Garston; 4,172 tons, Fernbank, Kobe; 2,619 tons, West Ekonk, Fiume; 2,496 tons, Livenza, Fiume; 1,099 tons, Maria, Fiume

# Coastwise Shipments

## Corpus Christi Coast Trade

GASOLINE—81,802 bbls, Frederic R Kellogg, Baytown
NAPHTHA—47,499 bbls, E R Kemp, Marcus Hook
OIL, FUEL—42,211 bbls, Norman Bridge, Baytown
PETROLEUM, CRUDE—74,751 bbls, Joseph Seep, Baytown; 108,040 bbls, A C Bedford, Baytown; 29,958 bbls, Federal, Houston; 71,168 bbls, Acme, New York; 86,216 bbls, Dixie Arrow, Providence; 74,905 bbls, Dungannon, Port Arthur; 108,829 bbls, E T Bedford, Baytown; 49,804 bbls, Thermo, Texas City; 80,557 bbls, Malay, Baytown; 145,960 bbls, W S Farish, Baytown; 85,735 bbls, Christy Payne, Baytown; 143,890 bbls, G Harrison Smith, Baytown

## Los Angeles Coast Trade

GASOLINE—75,047 bbls, Lebec, San Francisco; 60,347 bbls, Deroche, Oleum; 69,000 bbls, Mojave, Seattle; 70,679 bbls, Reaper, Seattle; 12,404 bbls, La Purisima, Aberdeen; 55,757 bbls, Arizona, Portland; 5,425 bbls, S & C No. 2, San Diego; 7,159 bbls, Emidio, Seattle; 3,907 bbls, S & C No 41, San Diego; 127,494 bbls, Mobilegas, Paulsboro
OIL, DIESEL—6,000 bbls, Mojave, Seattle; 5,952 bbls, La Purisima, Aberdeen; 165 bbls, S & C No 2, San Diego; 726 bbls, S & C No. 41, San Diego
FUEL — 2,722 bbls, Scotia, Eureka; 5,690 bbls, Deroche, Oleum; 51,236 bbls, Cuijave, San Diego; 7,000 bbls, Mojave, Seattle; 61,734 bbls, Eagle, Portland; 12,418 bbls, El Cedro, Seattle; 34,375 bbls, La Purisima, Aberdeen; 38,000 bbls, S & C Barge No. 95, Richmond; 62,043 bbls, Emidio, Seattle; 2,288 bbls, Point San Pablo, Seattle
FURNACE—8,572 bbls, Deroche, Oleum
SOLVENT CLEANING—5,883 bbls, Deroche, Oleum

## New Orleans Coast Trade

CALCIUM ARSENATE—360 dms, Donie, Houston

## San Francisco Coast Trade

ACID—16 cyls, West Planter, Portland, Ore
ALCOHOL—183 tons, Louisianan, Baltimore
ALUMINA SULPHATE—667 sks, West Planter, Portland, Ore
ASPHALT — 107 bbls, Dorothy Wintermote, Seattle
BONE MEAL—50 tons, Coast Shipper, Seattle
CASEIN—23 tons, Texan, Boston
30 tons, North Pacific, Seattle
23 tons, American, New York
SPREADER—630 cs, President Taft, New York
CEMENT, LIQ — 60 dms, Point San Pedro, Seattle
50 dms, Dorothy Wintermote, Seattle
CHLORINE BLEACH, LIQ—136 tons, Lena Luckenbach, New Orleans
800 cs, Point Estero, Galveston
CLAY, CALC—40 tons, American, New York
COCONUT, DESIC—2,193 cs, President Taft, New York
320 cs, Pennsylvania, New York
379 cs, Point Estero, Houston
COLOR, EARTH—19 tons, Texan, New York
CRACKLINGS—400 sks, Point Estero, Houston
DEXTRIN—2 tons, Texan, New York
EGG YOLK, HEN DRIED—112 cs, Pennsylvania, New York
FIG PASTE—825 cs, President Taft, New York
375 cs, President Taft, Boston
GLUE—18 tons, American, New York
23 tons, American, Boston
DRY—400 sks, President Taft, New York
GUM ELEMI—60 cs, 140 sks, Pennsylvania, New York
COPAL—555 sks, Pennsylvania, New York
INSECTICIDE—800 cs, West Planter, Portland, Ore
LARD, SUBSTITUTE—7 tons, Texan, Port Newark
LIME—2,000 sks, West Planter, Portland, Ore
1,200 sks, Point San Pedro, Seattle
1,200 sks, Dorothy Wintermote, Seattle
MAGNESITE—49 tons, Harry Luckenbach, New York
11 tons, Harry Luckenbach, Philadelphia
MILK POWDER—200 bbls, President Taft, New York
19 tons, Harry Luckenbach, Boston
25 tons, Hawaiian, Boston
OIL, CHINAWOOD—100 dms, Lena Luckenbach, Houston
CORE—14 tons, Pennsylvania, New York
DIESEL—21 tons, Pennsylvania, New York

**(Continued on page 68)**

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REPRESENTATIVES WANTED who now have established themselves selling stable lines to manufacturing pharmaceutical companies to take on another item made by an Eastern manufacturer. Commission basis. Write, giving references, territory covered, etc. BOX 242, Oil, Paint and Drug Reporter.

### Businesses Offered

FOR SALE—Manufacturing business of proprietary medicine and cosmetics which have been on market 40 to 50 years with wide distribution and export. Owner wishes to retire. Will sell at a sacrifice. B. H. Sproess, 2201 S. Harwood street, Dallas, Texas.

### Equipment Offered

FROM the $10,000,000 Spreckels liquidation. —Three No. 4 Vallez rotary filters; 42-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycle, 220 volts; 500 tons valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; large assortment laboratory equipment and library; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant, Consolidated Products-Spreckels Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

### Equipment Offered

FOR SALE.—Five roller mill, lead mixers, semi-paste mixers, roller mills, pony mixers, change can mixers, pebble mills, dry mixers. Day rapid sifter No. 3. We buy surplus machinery. BOX 231, Oil, Paint and Drug Reporter.

FOR SALE. — Complete shellac cutting plant with a minimum capacity of 250 gallons per day, consisting of three 250 gallon agitator tanks, DeLaval separator, can filling machine, grinder and elevator, two gear pumps, with piping, shafting, belt, etc. Photograph on request. BOX 233, Oil, Paint and Drug Reporter.

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street. SPring 7-8955.

PEBBLE MILLS, 10-25-50-75 gallons; 1,000 gallon jacketed stainless steel kettle; 300 gallon rubber lined kettle; 8 gallon Pony mixer; 50 gallon double arm mixer; 24-inch fractionating column; 24-inch wood filter press. Edw. W. Lawler, Inc., Durham avenue and L.V.R.R., Metuchen, N.J.

### Equipment Wanted

FOR USE in New York water cooled 12x30 mill, 15 gal. and 40 gal. pony mixer, in perfect condition. BOX 243, Oil, Paint and Drug Reporter.

### Factories Offered

MODERN FACTORY, corner two-story brick, 75x100, windows three sides, four large skylights, sprinklers, metal ceilings, steam, elevator, subway half block, unrestricted district Brooklyn, sale or lease, bargain. The R. L. Kraft Company, Woolworth building. COrt 7-9377.

### Manufacturing Wanted

PAINT, printing ink and all industrial varnishes. Varnish manufacturer with well equipped plant will manufacture varnishes on your own formulas at reasonable contract or cost plus basis. BOX 251, Oil, Paint and Drug Reporter.

### Materials Offered

FOR SALE—Mucic acid, 99 percent, 10 tons, price 15c. to 20c. pound, depending on quantities ordered while stock lasts. Liberal commissions paid for "leads" resulting in any sales. Chemical Service Corp., 235-A Fourth avenue, New York City.

### Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

### Positions Vacant

SALESMEN WANTED now selling chemicals, colors, dyestuffs, oils, waxes, solvents or similar products. Can offer attractive side line proposition; will not interfere with products you are now handling. Substantial commissions. Write for full particulars. BOX 236, Oil, Paint and Drug Reporter.

SEVERAL AMBITIOUS young men conversant with chemical colors and having contacts with consuming trades in New York and metropolitan area. State age, experience and salary desired. BOX 252, Oil, Paint and Drug Reporter.

### Positions Wanted

CHEMIST-SUPERINTENDENT, 38, paint and varnish specialist. Wide experience white goods, industrials. Expert formulation. Desires responsible connection, preferably within the Metropolitan area. BOX 232, Oil, Paint and Drug Reporter.

DRY COLOR salesman, covering New England and experienced in sales of inerts, earth and pigment colors for paint, rubber and allied industries. Have good following and can show results. BOX 241, Oil, Paint and Drug Reporter.

### Positions Wanted

BUYER, MANAGER or assistant, salesman, 20 years unusually diversified experience domestic, import, export, wholesale drugs, light and heavy chemicals, essential oils, botanicals, pharmaceuticals, gums, waxes, spices, allied lines, desires position. BOX 244, Oil, Paint and Drug Reporter.

PRINTING INK and color expert, desires position with reliable firm in either field. Will locate anywhere. BOX 245, Oil, Paint and Drug Reporter.

SUPERINTENDENT—Lacquer, paint and varnish plant. Chemical engineer. Capable of handling formula development and research. Years of experience in assuming responsibility for plant management and production. For detailed information, address BOX 246, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, experienced in alcoholic liquors and plastics (casein). BOX 248, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST with background of work in varnish and laboratory control of chemical manufacture. BOX 249, Oil, Paint and Drug Reporter.

RECENT GRADUATE chemist with one year's experience in food research. BOX 250, Oil, Paint and Drug Reporter.

### Services Offered

VARNISH FIRE construction. Experienced in installation and repair of Anthony nebulyte oil and gas varnish heating systems. Specialized in tangential or central fired settings with carbofrax domes. Diffuser rings and pedestals carried in stock. Otto Penzenstadler, Ridgewood Station, Brooklyn, N. Y.

### Surplus Stock

CHECK INVENTORIES. — Cash for any quantity surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 101A East 19th Street, New York, STuyvesant 9-0134.


## REBUILT MACHINERY SELECTED ITEMS

16—Pebble Mills, porcelain and silex lined, 10 to 1,000 gals., some with roller bearings.
5—Celton Stokes & Mulford Tablet Machines, ½" to 2" dia.
2—500 gal. Aluminum Jack. Agit. Kettles.
2—26" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
5—Day Pony Mixers, 8, 15 and 40 gals.
8—Paste Mixers, 50 to 100 gals.
1—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 200 gal., power tilting, sigma blades.
25—Filter Presses, 6" to 42" size.
3—Buffalo 32"x90" Double Drum Atmospheric Dryers.
2—W. & P. Jacketed Mixers, 100 gal., power tilting, heated sigma blades.
8—Devine and Buffalo Vacuum Shelf Dryers, assorted sizes.
8—Copper and Aluminum Jacketed Kettles, 175 to 400 gals.
9—Roller Mills 3x10 up to 16x40.

Miscellaneous: Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers; Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

**CONSOLIDATED PRODUCTS COMPANY, Inc.**

**15-17-19 Park Row, New York, N. Y. Phone: Barclay 7-0600**
**Plant: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment**


## San Francisco Coast Trade

(Continued from page 67)

LUBRICATING—42 tons, Texan, New York
50 dms, 282 cs, Nebraskan, Seattle
1 dm, 10 cs, Nebraskan, Tacoma
70 dms, Nabesna, Portland, Ore
150 tons, Celilo, Los Angeles
300 dms, Point Estero, New Orleans
PERILLA—100 dms, Harry Luckenbach, New York
PAINT—900 cs, Point San Pedro, Seattle
15 tons, Celilo, Los Angeles
DRIER—12 tons, Texan, Port Newark
31 tons, Harpoon, New York
EARTH, DRY—12 tons, North Pacific, Seattle
REDUCER—24 tons, Hawaiian, Philadelphia
THINNER—10 tons, Harpoon, New York
PASTE—120 pls, Point San Pedro, Seattle
PEANUTS—18 tons, Celilo, Los Angeles
PETROLEUM PRODUCTS—100 tons, North Pacific, Seattle
3,500 pkgs, Point San Pedro, Seattle
20 tons, Coast Shipper, Seattle
15 tons, Coast Shipper, Port Angeles
PRUNE CONCENTRATE—6 tons, Texan, Port Newark
SALT—2,000 pkgs, West Planter, Portland, Ore
1,200 pkgs, Dorothy Wintermote, Tacoma
3,000 pkgs, Nabesna, Portland, Ore
478 tons, North Pacific, Seattle
SOAP—518 cs, Edward Luckenbach, Portland, Ore
2,130 cs, Edward Luckenbach, Seattle
1,050 cs, West Planter, Portland, Ore
LAUNDRY—500 cs, President Taft, New York
SODA SILICATE—120 tons, North Pacific, Seattle
SOYBEAN MEAL—22 tons, Louisianan, Savannah
SPRAY, TREE—410 cs, 250 dms, West Planter, Portland, Ore
15 tons, Texan, Port Newark
600 cs, 125 dms, Point San Pedro, Seattle
500 dms, Dorothy Wintermote, Seattle
400 dms, Nabesna, Portland, Ore
SUNFLOWER SEED—11 tons, Lena Luckenbach, Houston
TALC—300 sks, Lena Luckenbach, New Orleans
TALLOW—70 dms, Point Estero, New Orleans
WAX—143 pkgs, Point San Pedro, Seattle

## Oils, Fats and Waxes

### Fats and Greases

(Continued from page 45)

for tallow futures on the New York Produce Exchange from June 5 to June 11, inclusive:—

| | Cents per lb. in tanks High. | Low. | Close. | Sales, Tanks. |
|---|---|---|---|---|
| June | ... | ... | 8.60 bid | .. |
| July | 9.00 | 9.00 | 8.60@ 8.90 | 3 |
| August | ... | ... | 8.65@ 9.00 | .. |
| September | ... | ... | 8.70@ 8.95 | .. |
| October | 9.00 | 9.00 | 8.70@ 9.00 | 1 |
| November | ... | ... | 8.90 nom. | .. |
| Total sales | | | | 4 |

### Markets at Other Centers

**Chicago**, June 11.—Further unsettlement is being caused in the cash lard market by the erratic and generally easy tendency of prices in the futures market. At the same time, it is true that cash lard prices themselves are showing a less weakening tendency. There is considerable inclination on the part of buyers to refrain from taking much of a position. Shipping trade is of a restricted nature.

The range of lard quotations from the opening Saturday, June 5, to the close Friday, June 11, is shown in the following table:—

| | Per 100 pounds Open. | High. | Low. | Close. | Previous Friday. |
|---|---|---|---|---|---|
| Cash | $12.27 | $12.27 | $12.10 | $12.10 | $12.37 |
| July | 12.50 | 12.50 | 12.12 | 12.17 | 12.50 |
| Sept. | 12.75 | 12.75 | 12.30 | 12.47 | 12.75 |

**Liverpool**, June 11.—Quotations per cwt. on refined American lard were as follows:—

| | Spot. s. | d. | July. s. | d. | Sept. s. | d. |
|---|---|---|---|---|---|---|
| Saturday | 68 | 0 | 60 | 6 | 60 | 3 |
| Monday | 68 | 0 | 60 | 3 | 59 | 9 |
| Tuesday | 66 | 6 | 59 | 6 | 59 | 3 |
| Wednesday | 66 | 6 | 60 | 3 | 60 | 3 |
| Thursday | 67 | 0 | 60 | 6 | 60 | 6 |
| Friday | 66 | 6 | 60 | 9 | 60 | 6 |

**Liverpool**, June 11.—Quotations per cwt. on tallow were as follows:—

| | Choice. s. | d. | Fine, good mixed. s. | d. |
|---|---|---|---|---|
| Saturday | 26 | 6 | 25 | 3 |
| Monday | 26 | 6 | 25 | 3 |
| Tuesday | 26 | 6 | 25 | 3 |
| Wednesday | 26 | 6 | 25 | 3 |
| Thursday | 26 | 3 | 26 | 3 |
| Friday | 26 | 3 | 26 | 3 |

### Fatty Acids

**Red Oil.** — There were reports to the effect that consumers were manifesting rather more interest in the situation, though actual business was still generally along conservative lines. The market had a firmer tone.

**Stearic Acid.** — No material change was noted in the character of business last week, but a fairly active demand was reported for moderate quantities from local and other consumers. A firm tone prevailed.

### Markets at Other Centers

**Chicago**, June 11.—Some easiness is evident here and there in the fatty acids market, although for the most part it is claimed the market in its general values is about holding its own. Inquiries are of a moderate nature.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8¾c. to 9c. per pound, tankcar, mostly nominal; 9¼c. to 9½c., barrels, car lots; 9¾c. to 10c., barrels, less than car lots; cottonseed oil, double distilled, 8c. to 8¼c., tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c.; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 2¾c. to 3c.

**M. F. Austin**, manager of the vegetable oil department of W. R. Grace & Co., this city, left June 11 for two weeks' vacation at Rangeley Lakes, Maine.


## Attractive Offering

**1—6 ft. x 6 ft. Abbe 600 gallon Pebble Mill.**
**1—Pfauder glass-lined, steam jacketed Vacuum Still.**
**4—Valley Iron Autoclaves, jacketed, agitated, high pressure, laboratory to 150 gallons.**
**1—Dopp 150 gallon jacketed Kettle with double motion agitator.**
**2—Raymond No. 00, No. 1 Pulverizer, complete.**

**STEIN-BRILL CORPORATION**
**185 Varick St., New York, N. Y.**
**WAlker 5-6892**


### Dr. Schuelke Leaves Woburn To Carry On Own Business

Dr. Erich Schuelke has resigned as sales manager for the Woburn Degreasing Company of New Jersey, Harrison, N. J., to devote his entire time to his own business which he has conducted since 1928 under the firm name, "Colloid Chemical Laboratories," with offices at 92 Liberty street, New York. The firm is a manufacturer and jobber of chemicals derived from fatty oils, such as esters, fatty acids, and special oils.

Dr. Schuelke joined the Woburn Degreasing Company in 1933. Before that he was in business in this country as a consultant chemical engineer. Abroad, he was noted as an inventor of processes used in the production of rayon and staple fiber.

Born in 1889 in Freidrichshafen, Germany, Dr. Schuelke was graduated from the University of Tuebingen in 1914.

### J.E.Good Heads Woburn Sales

J. Edmund Good has been appointed by A. G. H. Reimhold, president of the Woburn Degreasing Company of New Jersey, Harrison, N. J., to take charge of sales for the company. He succeeds Dr. Erich Schuelke, who recently resigned. Mr. Good has been connected with the various companies under Mr. Reimhold's direction during the past fourteen years. He is forty-eight years old.

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